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NATIONAL BUREAU OF STANDARDS 1963-A

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WIND - CEILING - VISIBILITY DATA

AT SELECTED AIRPORTS.

VOLUME II. PART A.
EASTERN REGION

DTIC

DEC 7 1981

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JANUARY 1981

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
PLANS DEVELOPMENT DIVISION
OFFICE OF AVIATION POLICY AND PLANS

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WIND-CEILING-VISIBILITY
DATA
AT SELECTED AIRPORTS

January 1981

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DEC 7 1981

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FOREWORD

INTRODUCTION

Summary tables and graphs have been prepared to assist the FAA in the application of establishment criteria for precision and non-precision approach and landing aids. These tables and graphs depict wind direction and speed under specified ceiling and visibility conditions. This report has been prepared by the National Climatic Center for the FAA under Interagency Agreement No. DOT-FA79WAI-057.

Climatological information for selected airports is presented in 11 volumes:

- Volume 1 - New England Region (ANE)
- Volume 2 - Eastern Region (AEA)
- Volume 3 - Southern Region (ASO)
- Volume 4 - Great Lakes Region (AGL)
- Volume 5 - Central Region (ACE)
- Volume 6 - Southwest Region (ASW)
- Volume 7 - Rocky Mountain Region (ARM)
- Volume 8 - Northwest Region (ANW)
- Volume 9 - Western Region (AWE)
- Volume 10 - Alaskan and Pacific Regions (AAL and APC)
- Volume 11 - Visibility Time Series for Key Stations

Summary tables and graphs are presented in volumes 1-10. Graphical time series of visibility measurements for key stations throughout the United States are presented in volume 11 to give the reader some insight into the climate variability that can be expected.

ELEMENT CLASSIFICATION

Twelve tables for each station depict wind direction vs. wind speed distributions. Half the tables show daytime distributions for six ceiling-visibility classes, and half show nighttime distributions for the same six ceiling-visibility classes. A graphical depiction of the data in each table is also presented. An additional graph for each station depicts the combined day and night winds for all ceiling-visibility conditions.

Wind direction is grouped according to a 16-point compass (N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW) plus calm. The wind speed groups are 0-3, 4-12, 13-15, 16-18, 19-24, 25-31 and equal to or greater than 32 mph.

The ceiling-visibility criteria are defined as:

CLASS 1 = ceiling equal to or greater than 1,500 feet and visibility equal to or greater than 3 miles.

CLASS 2 = ceiling less than 1,500 feet and/or visibility less than 3 miles.

CLASS 3 = ceiling less than 1,500 feet and/or visibility less than 3 miles, but ceiling equal to or greater than 400 feet and visibility equal to or greater than 1 mile.

CLASS 4 = ceiling less than 400 feet and/or visibility less than 1 mile, but ceiling equal to or greater than 200 feet and visibility equal to or greater than 1/2 mile.

CLASS 5 = ceiling less than 200 feet and/or visibility less than 1/2 mile, but ceiling equal to or greater than 100 feet and visibility equal to or greater than 1/4 mile.

CLASS 6 = ceiling less than 100 feet and/or visibility less than 1/4 mile.

CLASS 7 = all ceiling and visibility conditions; sum of classes 1 and 2; also the sum of classes 1 and 3 through 6.

Time conditions are determined from the onset of civil twilight in the morning to the end of civil twilight in the evening. Civil twilight begins (ends) when the sun is six degrees below the horizon. It covers the somewhat indefinite period before sunrise and after sunset during which natural illumination usually remains sufficient for ordinary outdoor operations. For this report the morning (evening) times of beginning (ending) of civil twilight at a station are determined for the middle of a month. All data within this month are classified as either day or night according to these times.

DATA

The data used in the preparation of the climatological tables and graphs were extracted from the National Climatic Center's Tape Deck 1440 Hourly Surface Observations. The data contained in this deck have been digitized from the official observations recorded on station. From about 1948 through 1964 data were digitized for each hour in a day. From 1965 onward only every third hour's data were digitized. The tables and graphs in this report are based on eight observations per day (every third hour) for

the entire period of record. This was done to eliminate the data bias problems that would have been created by trying to mix the 24 observations per day prior to 1965 with the 8 observations per day after 1964.

The effect on the climatology of not using all the available data was examined for representative key stations in each region. Monthly day and night distributions were prepared for all ceiling-visibility criteria and wind speed and direction groups using 24 observations per day. A data subset was created by extracting every third observation from the hourly data set, and similar frequency distributions were prepared. The Kolmogorov-Smirnov test was applied to evaluate the hypotheses that distributions using 24 observations per day are statistically the same as distributions using 8 observations per day. The results of this procedure indicate equality

of distributions. Therefore, no significant information has been lost by basing the climatologies on 8 observations per day.

The tables and graphs are also available on microfiche, and the summarized data are available on magnetic tape. This report presents annual summaries, but monthly summaries can be generated on magnetic tape. Requests for microfiche copies of this report and for data on magnetic tape should be addressed to:

Director
National Climatic Center
Federal Building
Asheville, NC 28801

The requested microfiche copies and/or tapes will be provided at cost.

TABLE LEGEND

A = number of day (night) observations in a given ceiling-visibility class, wind speed class and direction divided by the total number of day (night) observations in ceiling-visibility classes 1, 3-6, all wind speed classes and directions times 100.

B = number of day (night) observations in a given ceiling-visibility class, wind speed class and direction divided by the total number of day (night) observations in the given ceiling-visibility class and direction times 100.

C = number of day (night) observations of a given direction divided by the total number of day (night) observations in ceiling-visibility classes 1, 3-6 times 100.

D = number of day (night) observations of a given direction divided by the total number of day (night) observations in the given ceiling-visibility class times 100.

E = number of day (night) observations in a given wind speed class divided by the total number of day (night) observations in ceiling-visibility classes 1, 3-6 times 100.

F = number of day (night) observations in a given wind speed class divided by the total number of day (night) observations in the given ceiling-visibility class times 100.

G = number of day (night) observations in the given ceiling-visibility class divided by the total number of day (night) observations in ceiling-visibility classes 1, 3-6 times 100.

100 = summation of column D = summation of row F.

H = average wind speed for the given day (night) ceiling-visibility class and direction.

I = average wind speed for the given day (night) ceiling-visibility class.

J = overall period of record; see station list for actual years of record used.

Note: Ceiling-visibility class 2 is the sum of classes 3-6.

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDR BRIDGEPORT, CT

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 94702

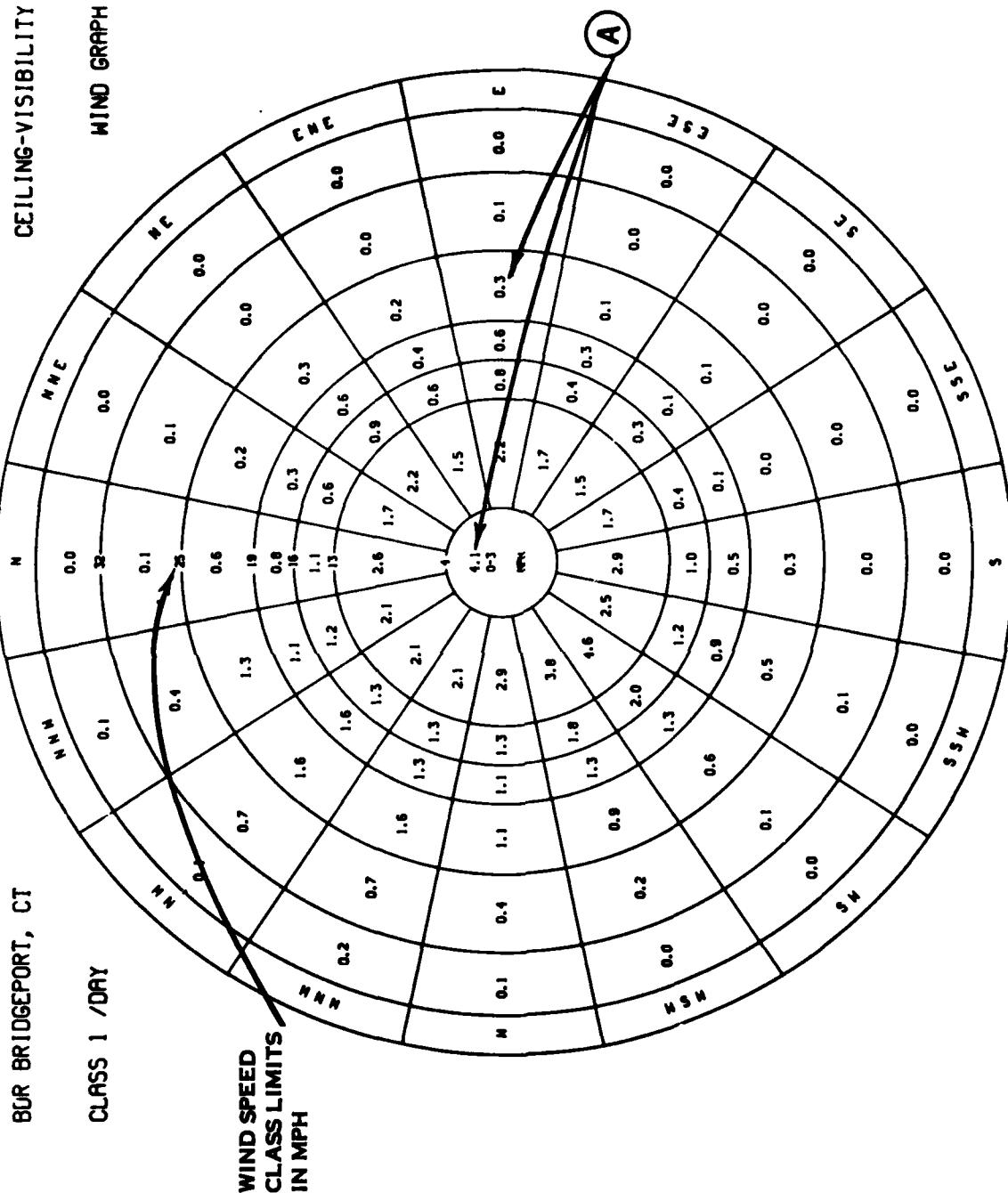
NO. OBS.: 29909

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.3	2.6	3.1	.1	1.4	.2	.9	.6	.8	.1	.1	.0	.0	5.5	6.6	12.6
NNE	.2	.3	1.7	2.1	.6	.7	.3	.4	.2	.3	.1	.1	.0	.0	3.2	3.8	11.3
NNE	.3	.4	2.2	2.6	.9	1.0	.6	.7	.3	.4	.0	.0	.0	.0	4.3	5.1	11.5
ENE	.2	.2	1.5	1.9	.6	.7	.4	.5	.2	.3	.0	.1	.0	.0	3.0	3.5	11.7
E	.2	.2	2.2	2.6	.2	1.0	.6	.7	.3	.4	.1	.1	.0	.0	4.2	5.0	11.9
ESE	.1	.1	1.7	2.0	.4	.5	.3	.3	.2	.2	.0	.0	.0	.0	2.7	3.2	10.9
SE	.2	.2	1.5	1.7	.4	.5	.1	.2	.1	.1	.0	.0	.0	.0	2.2	2.6	9.8
SSE	.1	.1	1.7	2.0	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	2.3	2.8	9.8
S	.2	.2	2.9	3.5	.3	1.2	.5	.6	.3	.4	.0	.0	.0	.0	5.0	5.9	11.4
SSW	.1	.1	2.5	3.0	.2	1.1	.9	1.1	.6	.6	.1	.1	.0	.0	5.3	6.3	12.8
SW	.2	.3	4.6	5.4	.2	2.4	1.3	1.6	.6	.7	.1	.1	.0	.0	8.8	10.5	12.1
WSW	.2	.2	3.8	4.5	1.8	2.2	1.3	1.5	.9	1.0	.2	.2	.0	.0	8.1	9.6	13.1
W	.1	.2	2.9	3.5	1.3	1.6	1.1	1.4	1.1	1.3	.4	.5	.1	.1	7.1	8.5	14.4
WNW	.2	.2	2.1	2.5	1.3	1.6	1.3	1.6	1.6	1.9	.7	.9	.2	.2	7.5	8.8	16.3
NNW	.2	.3	2.1	2.5	1.3	1.6	1.6	1.8	1.6	1.9	.7	.9	.1	.2	7.7	9.2	16.0
NW	.2	.2	2.1	2.5	1.2	1.4	1.1	1.3	1.3	1.5	.4	.5	.1	.1	6.3	7.5	15.1
CALM	1.1	1.3													1.1	1.3	
TOTAL	4.1	4.8	38.2	45.3	16.4	19.5	12.3	14.6	9.8	11.7	3.0	3.5	.6	.7	84.3	100	12.0

SAMPLE

CEILING-VISIBILITY

WIND GRAPH



A--NUMBER OF DAY (NIGHT) OBSERVATIONS IN A GIVEN CEILING-VISIBILITY CLASS, WIND SPEED CLASS AND DIRECTION DIVIDED BY THE TOTAL NUMBER OF DAY (NIGHT) OBSERVATIONS IN CEILING-VISIBILITY CLASSES 1, 3-6, ALL WIND SPEED CLASSES AND DIRECTIONS TIMES 100.

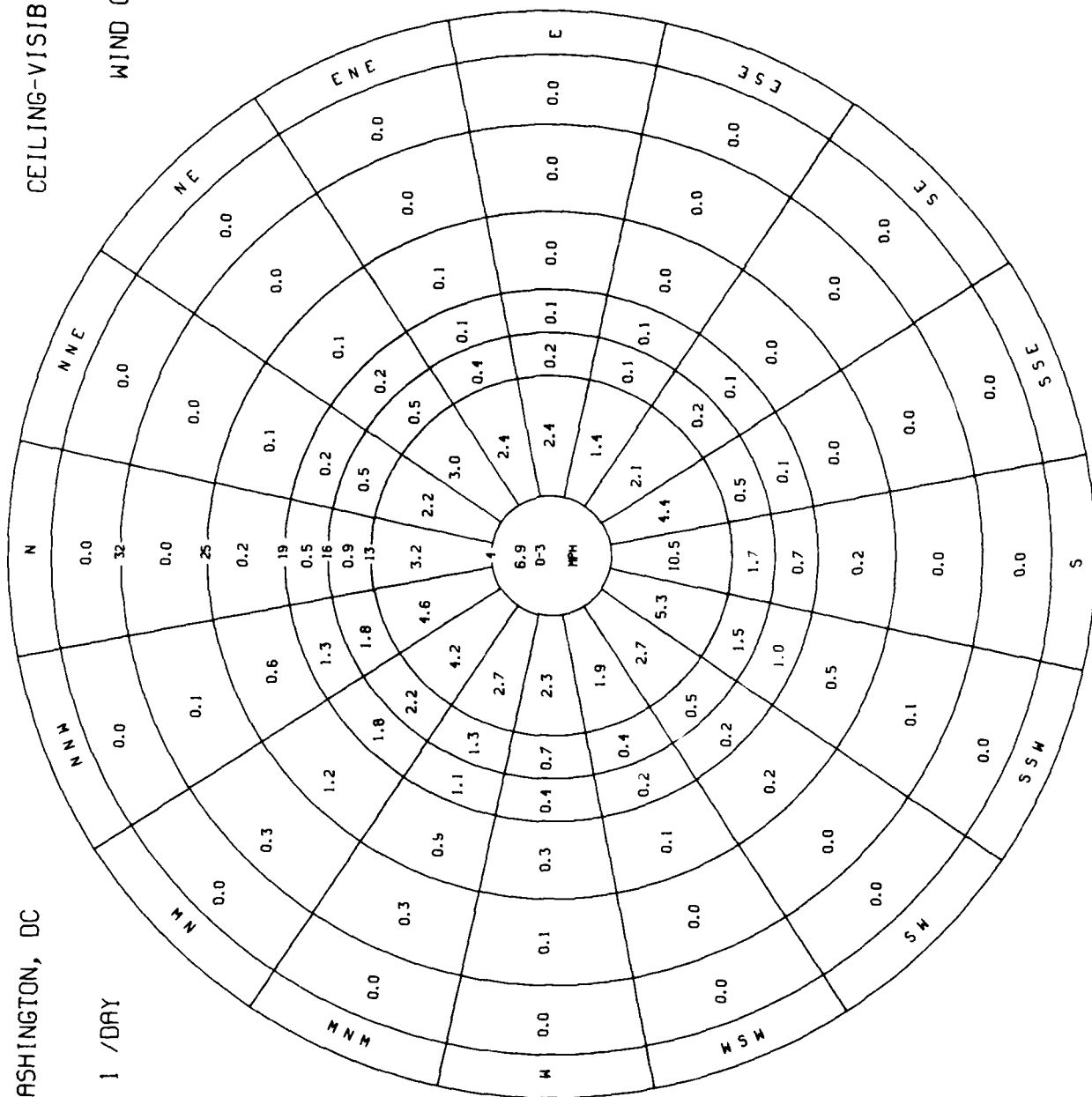
STATION LIST

ST CITY	AP ID	STATION NUMBER	PERIOD OF RECORD
DC			
Washington	DCA	13743	1948-1978
Washington	IAD	93738	1963-1978
DE			
Wilmington	ILG	13781	1948-1978
MD			
Baltimore	BAL	93721	1951-1978
NJ			
Atlantic City	ACY	93730	1959-1978
Newark	EWK	14734	1948-1978
NY			
Albany	ALB	14735	1948-1978
Binghamton	BGM	04725	1952-1978
Buffalo	BUF	14733	1948-1978
Islip	ISP	04781	1974-1978
Massena	MSS	94725	1950-1971 1973-1978
New York	LGA	14732	1949-1978
New York	JFK	94789	1949-1978
Poughkeepsie	POU	14757	1949-1954 1974-1978
Rochester	ROC	14768	1948-1978
Syracuse	SYR	14771	1950-1978
White Plains	HPN	94745	1949-1954 1968-1972 1974-1978

EASTERN REGION (AEA)

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DCA WASHINGTON, DC

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 13743

NO. OBS.: 44560

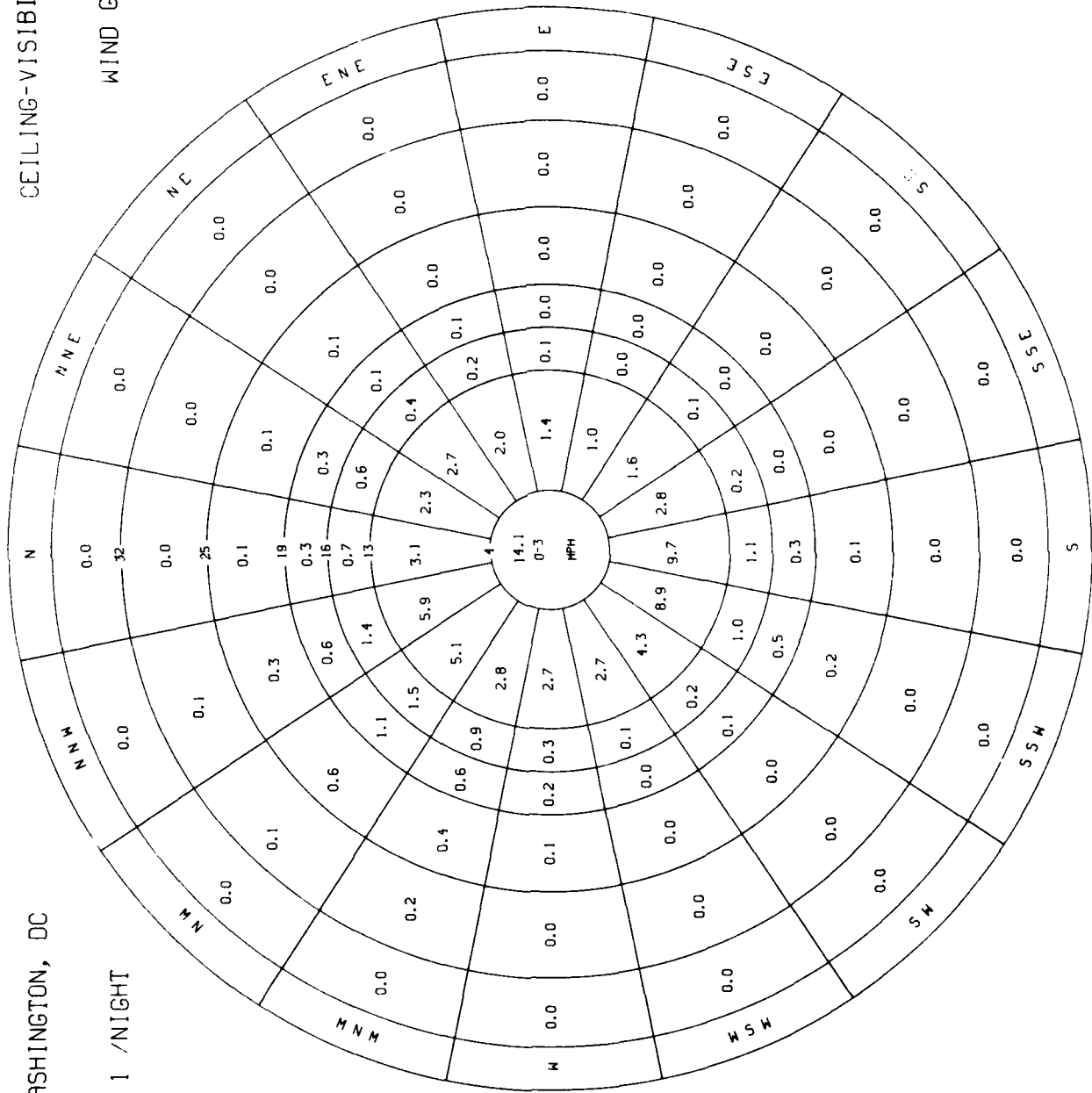
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.3	.4	3.2	3.6	.9	1.0	.5	.5	.2	.2	.0	.0	.0	.0	5.1 5.7 10.4
NNE	.2	.3	2.2	2.5	.5	.6	.2	.2	.1	.1	.0	.0	.0	.0	3.3 3.7 10.0
NE	.3	.4	3.0	3.3	.5	.6	.2	.2	.1	.1	.0	.0	.0	.0	4.1 4.6 9.1
ENE	.3	.3	2.4	2.7	.4	.5	.1	.2	.1	.1	.0	.0	.0	.0	3.3 3.7 9.1
E	.4	.5	2.4	2.7	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.2 3.6 7.8
ESE	.2	.3	1.4	1.6	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.9 2.1 8.3
SE	.3	.4	2.1	2.3	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.7 3.1 8.3
SSE	.5	.5	4.4	4.9	.5	.6	.1	.1	.0	.0	.0	.0	.0	.0	5.6 6.3 8.4
S	.6	.7	10.5	11.8	1.7	1.9	.7	.7	.2	.2	.0	.0	.0	.0	13.7 15.4 9.3
SSW	.4	.4	5.3	6.0	1.5	1.7	1.0	1.1	.5	.6	.1	.1	.0	.0	8.8 9.9 11.0
SW	.4	.4	2.7	3.1	.5	.5	.2	.3	.2	.2	.0	.0	.0	.0	4.0 4.5 9.4
WSW	.2	.3	1.9	2.2	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.8 3.2 9.4
W	.2	.3	2.3	2.6	.7	.7	.4	.4	.3	.3	.1	.1	.0	.0	4.0 4.4 11.1
WNW	.2	.2	2.7	3.0	1.3	1.4	1.1	1.2	.9	1.0	.3	.4	.0	.0	6.4 7.2 13.9
NW	.2	.2	4.2	4.7	2.2	2.5	1.8	2.0	1.2	1.3	.3	.3	.0	.0	9.8 11.0 13.6
NNW	.2	.2	4.6	5.2	1.8	2.0	1.3	1.4	.6	.7	.1	.1	.0	.0	8.5 9.5 12.1
CALM	1.8	2.0													1.8 2.0
TOTAL	6.9	7.7	55.4	62.1	13.4	15.1	7.8	8.8	4.5	5.0	1.0	1.1	.1	.1	89.1 100 10.3

CEILING-VISIBILITY

WIND GRAPH

DCA WASHINGTON, DC

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: DCA WASHINGTON, DC

CLASS 1 / NIGHT

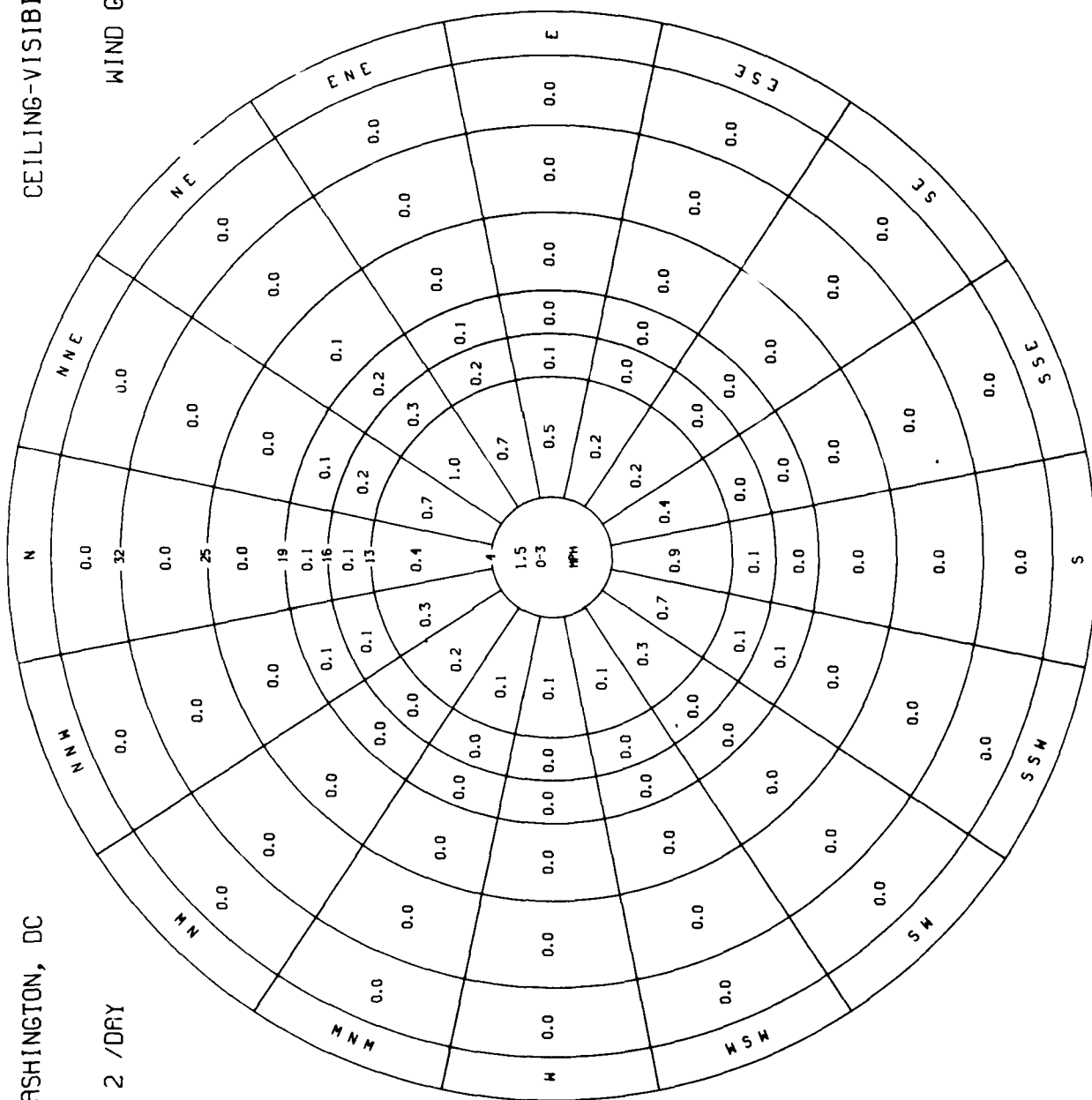
NO. OBS.: 36152

STATION NUMBER: 13743

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.5	.6	3.1	3.5	.7	.8	.3	.4	.1	.1	.0	.0	.0	.0	4.8	5.4	9.2
NNE	.3	.3	2.3	2.6	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	3.6	4.0	10.0
NE	.3	.3	2.7	.0	.4	.5	.1	.1	.1	.1	.0	.0	.0	.0	3.6	4.0	8.9
ENE	.2	.2	2.0	2.2	.2	.3	.1	.1	.0	.1	.0	.0	.0	.0	2.6	2.9	8.4
E	.3	.4	1.4	1.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.1	7.2
ESE	.2	.3	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.5	6.9
SE	.4	.4	1.6	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.4	7.1
SSE	.5	.6	2.8	3.2	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	3.6	4.1	7.3
S	1.3	1.4	9.7	10.9	1.1	1.2	.3	.4	.1	.1	.0	.0	.0	.0	12.5	14.0	8.2
SSW	1.1	1.3	8.9	10.0	1.0	1.1	.5	.6	.2	.2	.0	.0	.0	.0	11.8	13.2	9.4
SW	1.4	1.6	4.3	4.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	6.0	6.8	6.2
WSW	.9	1.0	2.7	3.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.2	6.0
W	.7	.8	2.7	3.0	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.0	4.5	8.1
WNW	.4	.4	2.8	3.1	.9	1.1	.6	.7	.4	.5	.2	.2	.0	.0	5.3	5.9	11.7
NW	.5	.6	5.1	5.7	1.5	1.7	1.1	1.3	.6	.7	.1	.2	.0	.0	8.9	10.0	11.4
NNW	.5	.5	5.9	6.6	1.4	1.6	.6	.7	.3	.3	.1	.1	.0	.0	8.8	9.8	10.0
CALM	4.6	5.2													4.6	5.2	
TOTAL	14.1	15.8	59.7	66.3	8.9	10.0	4.3	4.9	2.1	2.4	.5	.6	.0	.0	89.2	100	9.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DCA WASHINGTON, DC

PERIOD: 1948-1978

CLASS 2 / DAY

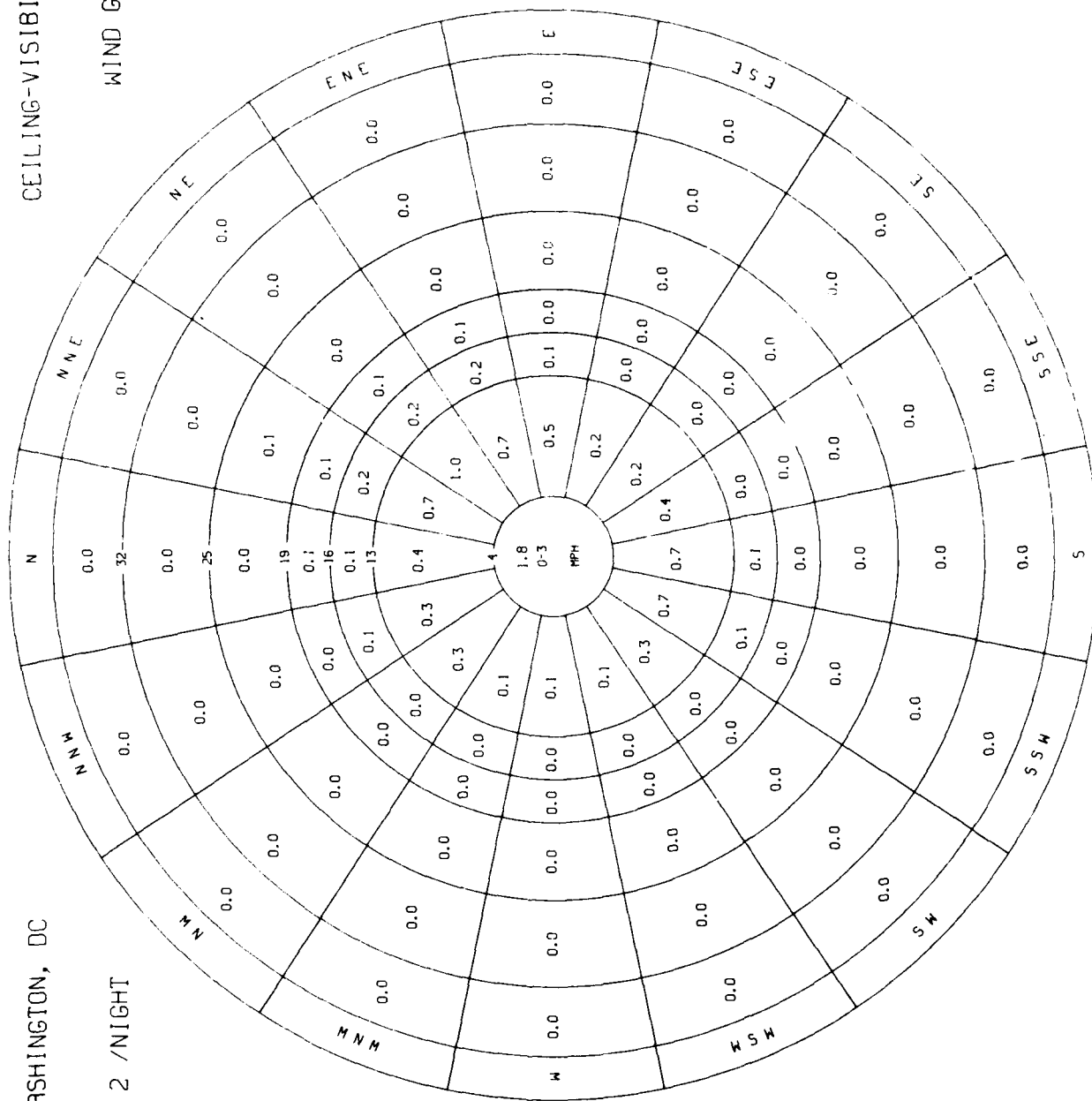
STATION NUMBER: 13743

NO. OBS.: 5457

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.1	.9	.4	3.6	.1	1.0	.1	.5	.0	.3	.0	.1	.0	.0	.7	6.5	9.8
NNE	.1	.5	.7	6.0	.2	2.0	.1	1.3	.0	.5	.0	.0	.0	.1	1.1	10.4	11.2
NE	.1	.7	1.0	9.3	.3	2.8	.2	1.4	.1	.5	.0	.1	.0	.0	1.6	14.8	10.6
ENE	.1	.5	.7	6.5	.2	2.1	.1	.6	.0	.3	.0	.1	.0	.0	1.1	10.1	10.2
E	.1	.8	.5	4.4	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.7	6.2	8.5
ESE	.0	.3	.2	2.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.8	8.3
SE	.0	.4	.2	2.1	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.3	2.8	7.6
SSE	.1	.8	.4	3.8	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.6	5.1	7.5
S	.1	1.1	.9	8.5	.1	1.1	.0	.4	.0	.3	.0	.0	.0	.0	1.2	11.4	8.6
SSW	.1	.8	.7	6.2	.1	1.1	.1	.5	.0	.2	.0	.0	.0	.0	1.0	8.8	9.3
SW	.1	.6	.3	2.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4	3.4	7.4
WSW	.0	.3	.1	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	7.0
W	.0	.3	.1	1.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.5	7.4
WNW	.0	.2	.1	1.0	.0	.1	.0	.1	.0	.1	.0	.1	.0	.0	.2	1.5	9.8
NW	.0	.2	.2	2.0	.0	.4	.0	.4	.0	.4	.0	.1	.0	.0	.4	3.5	11.7
NNW	.0	.3	.3	2.9	.1	1.0	.1	.5	.0	.3	.0	.1	.0	.0	.5	5.0	10.9
CALM	.5	4.5													.5	4.5	
TOTAL	1.5	13.3	6.9	63.2	1.4	13.2	.7	6.3	.3	3.1	.1	.6	.0	.2	10.9	100	9.1

DCA WASHINGTON, DC

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DCA WASHINGTON, DC

PERIOD: 1948-1973

CLASS 2 / NIGHT

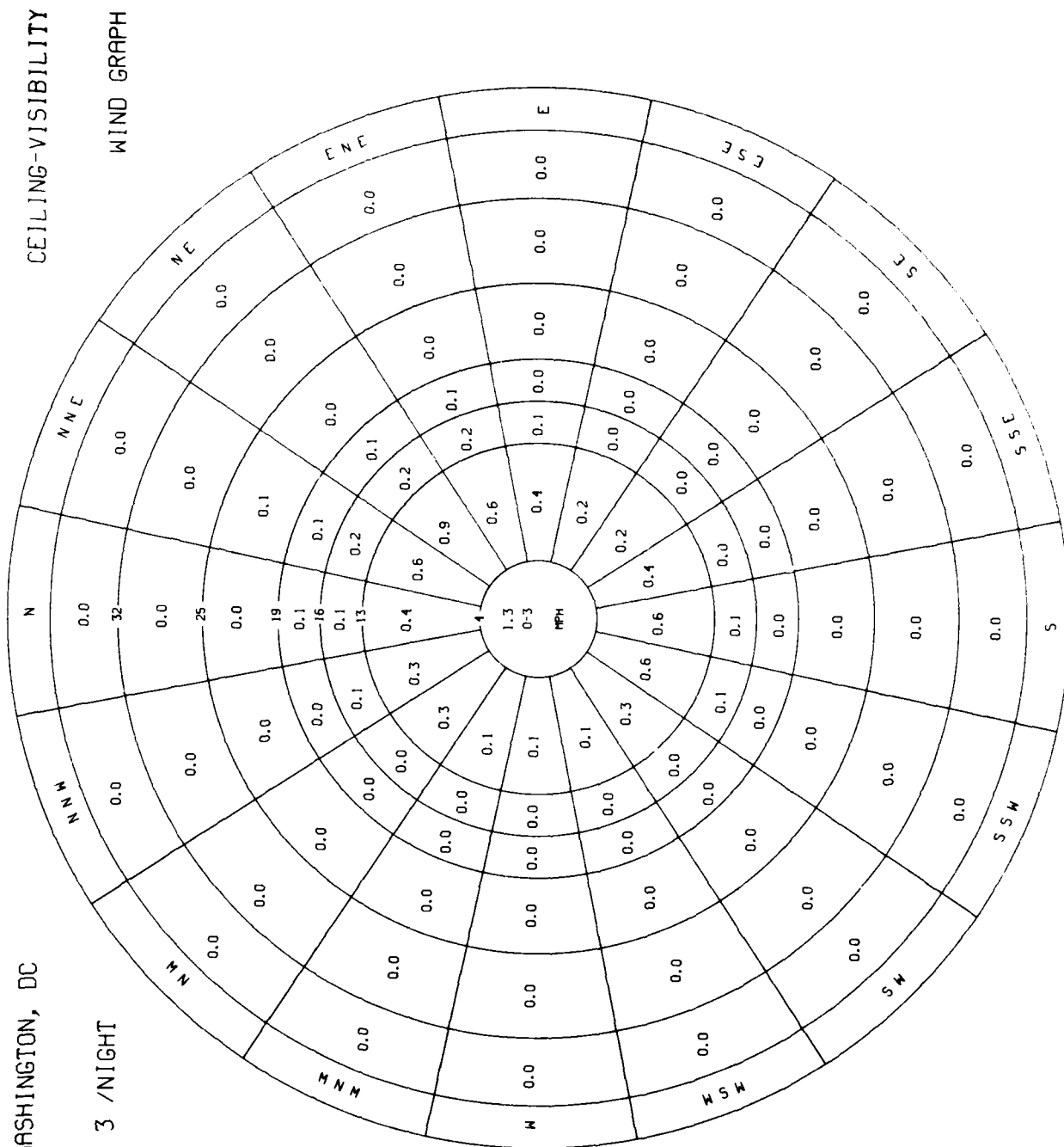
STATION NUMBER: 13743

NO. OBS.: 4384

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.1	.4	4.0	.1	1.0	.1	.6	.0	.3	.0	.1	.0	.0	.6 7.1
NNE	.1	.6	.7	6.6	.2	2.2	.1	1.2	.1	.6	.0	.1	.0	.0	1.2 11.3
NE	.1	1.0	1.0	9.1	.2	2.1	.1	1.1	.0	.4	.0	.0	.0	.0	1.5 13.7
ENE	.1	.7	.7	6.4	.2	1.5	.1	.8	.0	.2	.0	.1	.0	.0	1.0 9.6
E	.1	.5	.5	4.2	.1	.7	.0	.1	.0	.2	.0	.1	.0	.0	.6 5.9
ESE	.1	.6	.2	2.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3 3.0
SE	.1	.5	.2	2.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 3.0
SSE	.1	.8	.4	3.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5 4.8
S	.1	1.1	.7	6.9	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	1.0 8.9
SSW	.1	.8	.7	6.4	.1	.7	.0	.4	.0	.2	.0	.0	.0	.0	.9 8.4
SW	.1	1.1	.3	2.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4 4.1
WSW	.1	.6	.1	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.0
W	.0	.4	.1	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.8
WNW	.0	.3	.1	.9	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2 1.6
NW	.1	.5	.3	2.6	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.4 4.0
NNW	.1	.6	.3	2.9	.1	.9	.0	.4	.0	.3	.0	.1	.0	.0	.6 5.3
CALM	.6	5.5													.6 5.5
TOTAL	1.8	16.8	6.9	63.5	1.2	10.8	.6	5.4	.3	2.7	.1	.6	.0	.1	10.8 100
															5.6

DCA WASHINGTON, DC

CLASS 3 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DCA WASHINGTON, DC

PERIOD: 1946-1978

CLASS 3 / NIGHT

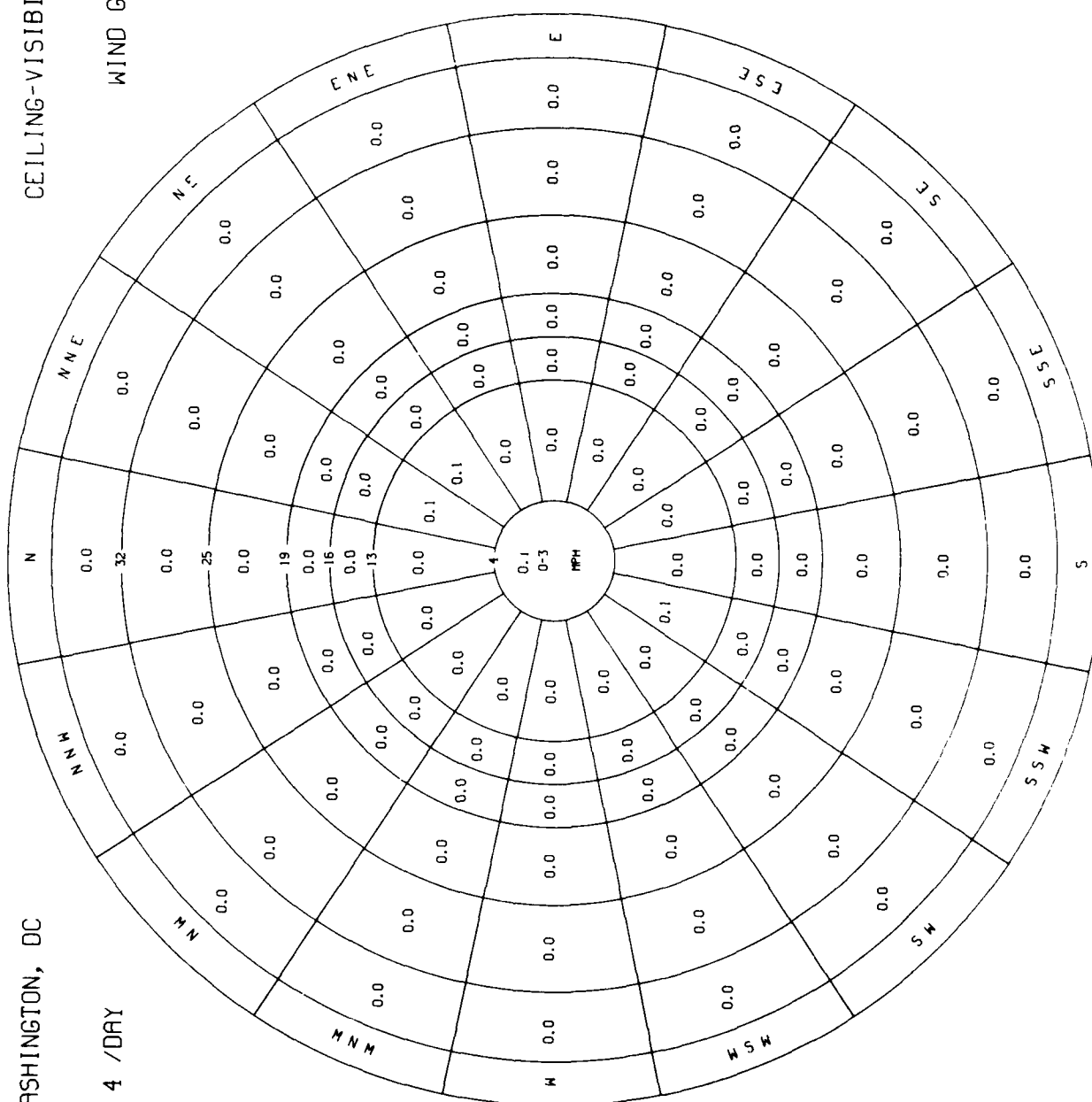
STATION NUMBER: 13743

NO. OBS.: 3792

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.8	.4	4.1	.1	1.1	.1	.6	.0	.3	.0	.0	.0	.0	.7	7.0	10.0
NNE	.1	.6	.6	6.8	.2	2.5	.1	1.3	.1	.6	.0	.1	.0	.1	1.1	11.8	11.3
NE	.1	1.0	.9	9.1	.2	2.3	.1	1.3	.0	.4	.0	.0	.0	.0	1.3	14.2	10.2
ENE	.0	.5	.6	6.3	.2	1.6	.1	.9	.0	.2	.0	.1	.0	.1	.9	9.6	10.6
E	.0	.5	.4	4.4	.1	.7	.0	.1	.0	.2	.0	.1	.0	.0	.6	6.1	9.0
ESE	.0	.4	.2	2.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	3.0	7.4
SE	.1	.6	.2	2.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	3.3	7.2
SSE	.1	.7	.4	3.8	.0	.2	.0	.1	.0	.1	.0	.1	.0	.0	.5	4.9	7.3
S	.1	.8	.6	6.5	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.8	8.3	8.3
SSW	.1	.6	.6	6.3	.1	.7	.0	.4	.0	.2	.0	.0	.0	.0	.8	8.2	9.0
SW	.1	1.0	.3	2.8	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4	4.0	6.6
WSW	.0	.5	.1	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.9	6.3
W	.0	.3	.1	1.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.8	7.7
WNW	.0	.2	.1	1.1	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.7	9.4
NW	.0	.5	.3	2.7	.0	.3	.0	.2	.0	.1	.0	.1	.0	.0	.4	3.9	9.4
NNW	.1	.6	.3	3.1	.1	1.1	.0	.3	.0	.3	.0	.1	.0	.0	.5	5.5	10.3
CALM	.4	4.7													.4	4.7	
TOTAL	1.3	14.4	6.0	64.2	1.1	12.0	.5	5.8	.3	2.8	.1	.6	.0	.2	9.4	100	8.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DCA WASHINGTON, DC

PERIOD: 1948-1978

CLASS 4 / DAY

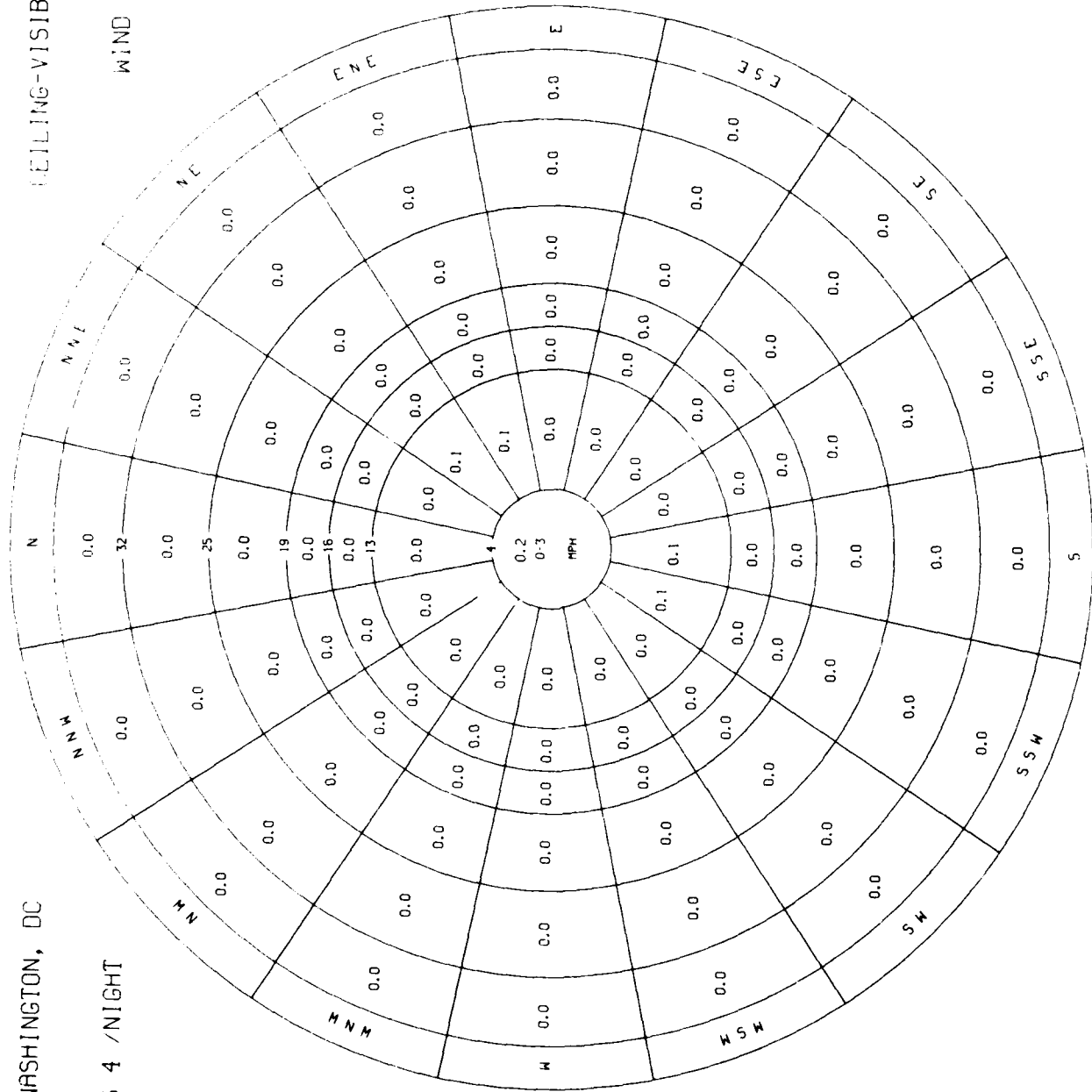
STATION NUMBER: 13743

NO. OBS.: 369

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.1	.0	3.3	.0	1.6	.0	1.4	.0	.8	.0	.3	.0	.0	.1 8.4
NNE	.0	.5	.1	7.6	.0	1.1	.0	1.4	.0	.8	.0	.0	.0	.0	.1 11.4
NE	.0	1.1	.1	10.0	.0	.8	.0	.8	.0	.5	.0	.0	.0	.0	.1 13.3
ENE	.0	.3	.0	5.4	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.1 7.6
E	.0	.3	.0	2.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
ESE	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
SE	.0	.3	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SSE	.0	.8	.0	1.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
S	.0	1.6	.0	6.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 9.5
SSW	.0	1.4	.1	7.6	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.1 9.5
SW	.0	1.1	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.8
WSW	.0	1.1	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0 3.3
W	.0	.0	.0	1.1	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0 1.9
WNW	.0	.0	.0	1.1	.0	.3	.0	.0	.0	.3	.0	.3	.0	.0	.0 1.9
NW	.0	.5	.0	3.0	.0	.3	.3	.3	.0	1.1	.0	.3	.0	.0	.0 5.4
NNW	.0	.3	.0	3.3	.0	1.4	.8	.8	.0	.0	.0	.3	.0	.0	.0 6.0
CALM	.1	7.0													.1 7.0
TOTAL	.1	18.4	.5	61.8	.1	8.7	.0	6.0	.0	3.8	.0	1.1	.0	.3	.7 100
															8.3

FEELING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DCA WASHINGTON, DC

PERIOD: 1945-1978

CLASS 4 / NIGHT

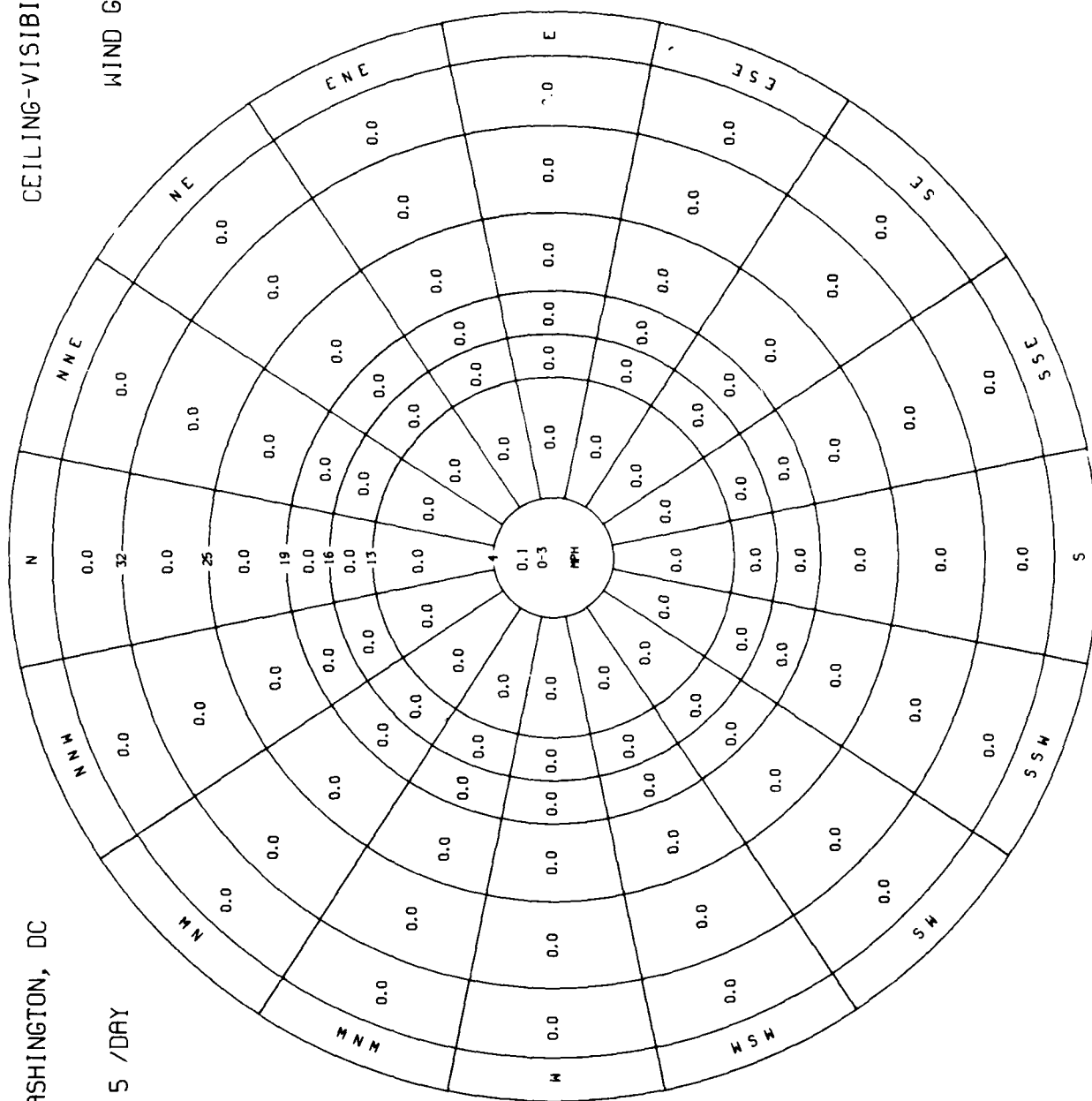
STATION NUMBER: 13743

NJ. OBS.: 342

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.5	.0	4.4	.0	.6	.0	.6	.0	.3	.0	.3	.0	.0	.1	8.6	
NNE	.0	.6	.0	5.5	.0	.6	.0	1.4	.0	.6	.0	.0	.0	.0	.1	8.6	
NE	.0	.8	.1	12.4	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.1	14.1	
ENE	.0	1.7	.1	9.4	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.1	12.2	
E	.0	.6	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	
ESE	.0	1.4	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	
SE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
SSE	.0	1.4	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	
S	.0	3.0	.1	8.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.6	
SSW	.0	1.1	.1	7.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.9	
SW	.0	1.4	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	
WSW	.0	.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	
W	.0	.6	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	
WNW	.0	.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
NW	.0	.8	.0	3.0	.0	.0	.0	.3	.0	.3	.0	.6	.0	.0	.0	6.0	
NNW	.0	.6	.0	2.2	.0	.0	.0	1.1	.0	.0	.0	.3	.0	.0	.0	4.1	
CALM	.1	6.9						.9				1.1			.1	6.9	
TOTAL	.2	24.9	.6	65.5	.0	3.3	.1	3.9	.0	1.4	.0	1.1	.0	.0	.9	10.0	

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DCA WASHINGTON, DC

PERIOD: 1948-1978

CLASS 5 / DAY

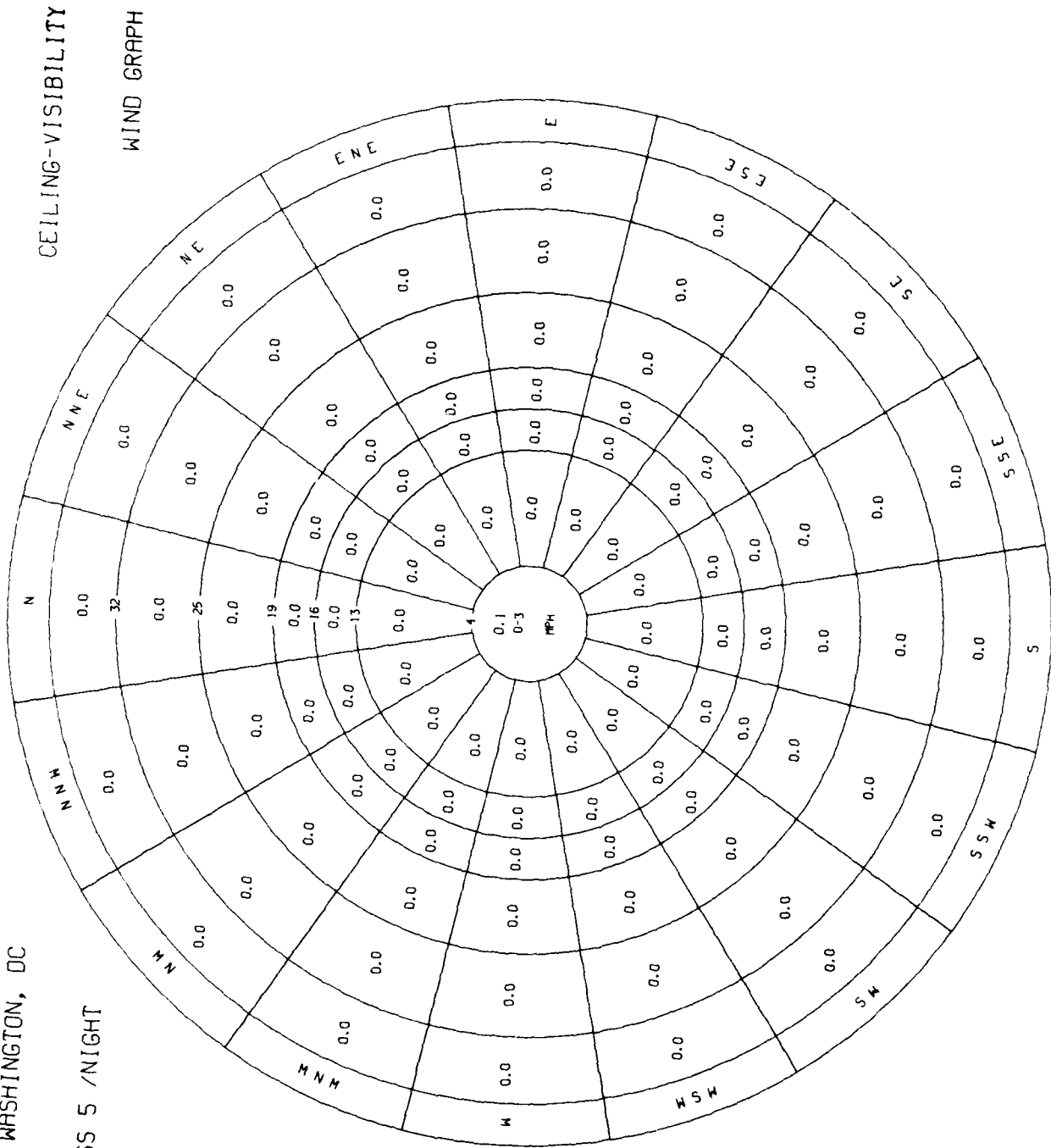
STATION NUMBER: 13743

NO. OBS.: 121

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.0	.0	.8	.0	.8	.0	1.7	.0	.8	.0	.0	.0	.0	.0	4.1	14.8
NNE	.0	.0	.0	3.3	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	5.0	9.8
NE	.0	1.7	.0	13.2	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	17.4	7.8
ENE	.0	.0	.0	2.5	.0	1.7	.0	.8	.0	.8	.0	.0	.0	.0	.0	5.8	13.0
E	.0	1.7	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	7.1
ESE	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	8.0
SE	.0	.8	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.0
SSE	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.7
S	.0	4.1	.0	9.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.0	5.5
SSW	.0	.8	.0	4.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	6.9
SW	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	7.4
WSW	.0	.8	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	8.3
W	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	4.0
WNW	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.0
NW	.0	.8	.0	.0	.0	.0	.0	.8	.0	1.7	.0	1.7	.0	.0	.0	5.0	20.2
NNW	.0	.8	.0	3.3	.0	.0	.0	.8	.0	1.7	.0	.8	.0	.0	.0	7.4	12.1
CALM	.0	8.3													.0	8.3	
TOTAL	.1	24.0	.1	56.2	.0	6.6	.0	5.8	.0	5.0	.0	2.5	.0	.0	.2	100	8.0

DCA WASHINGTON, DC

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DCA WASHINGTON, DC

PERIOD: 1948-1978

CLASS 5 / NIGHT

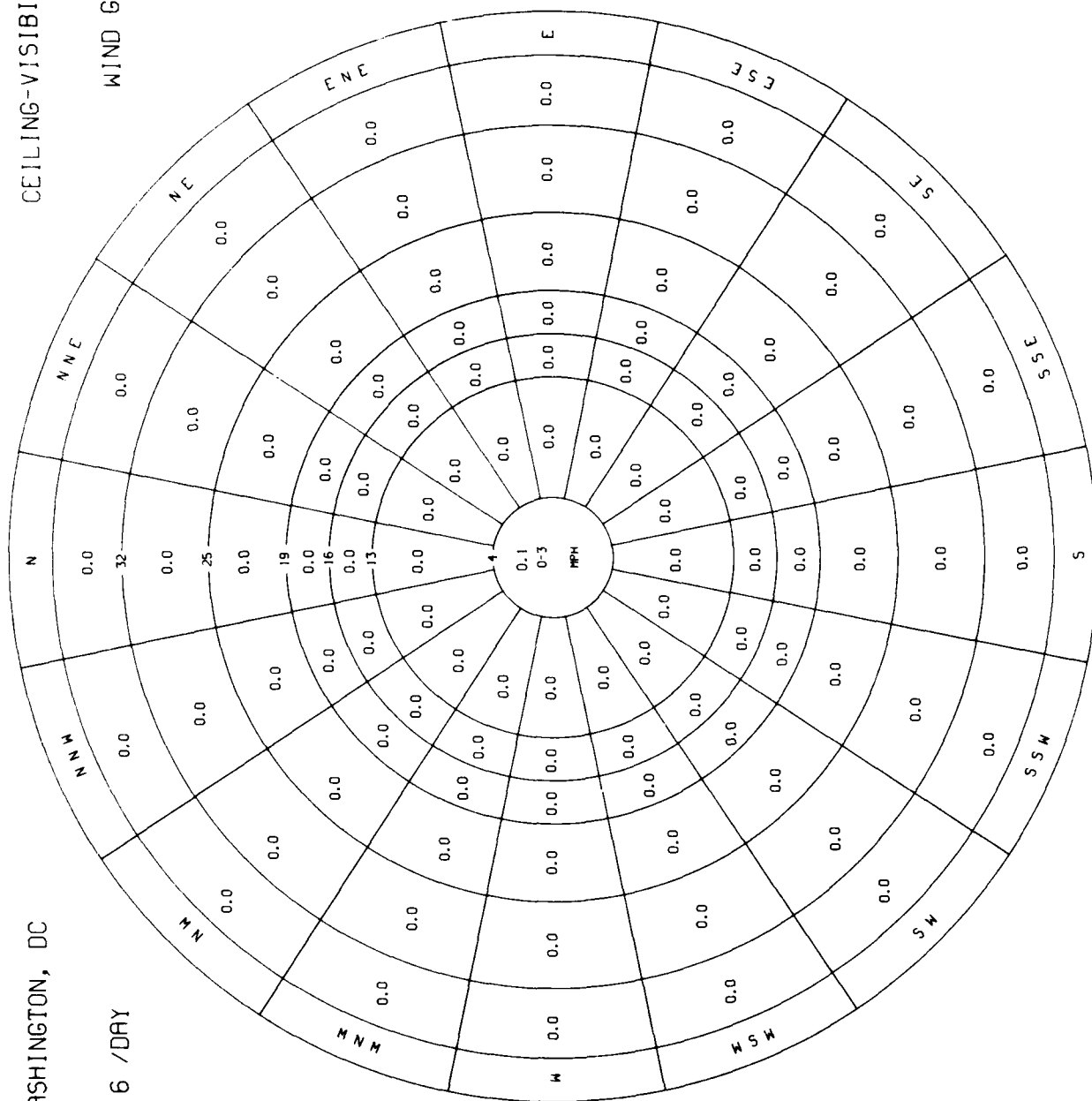
STATION NUMBER: 13743

NO. OBS.: 115

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.6	.0	2.6	.0	.9	.0	.9	.0	.0	.0	.9	.0	.0	.0 7.8
NNE	.0	.0	.0	7.0	.0	.0	.0	.0	.0	.9	.0	.9	.0	.0	.0 8.7
NE	.0	.9	.0	5.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.0
ENE	.0	1.7	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.2
E	.0	.9	.0	5.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.0
ESE	.0	1.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
SE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
SSE	.0	1.7	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.2
S	.0	1.7	.0	7.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0 10.4
SSW	.0	2.6	.0	7.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 10.4
SW	.0	1.7	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.0
WSW	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
W	.0	2.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
WNW	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
NW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0 3.5
NNW	.0	.0	.0	2.6	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0 4.3
CALM	.0	13.0													.0 13.0
TOTAL	.1	33.9	.2	55.7	.0	3.5	.0	.9	.0	4.3	.0	1.7	.0	.0	.3 100 6.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: DCA WASHINGTON, DC

CLASS 6 / DAY

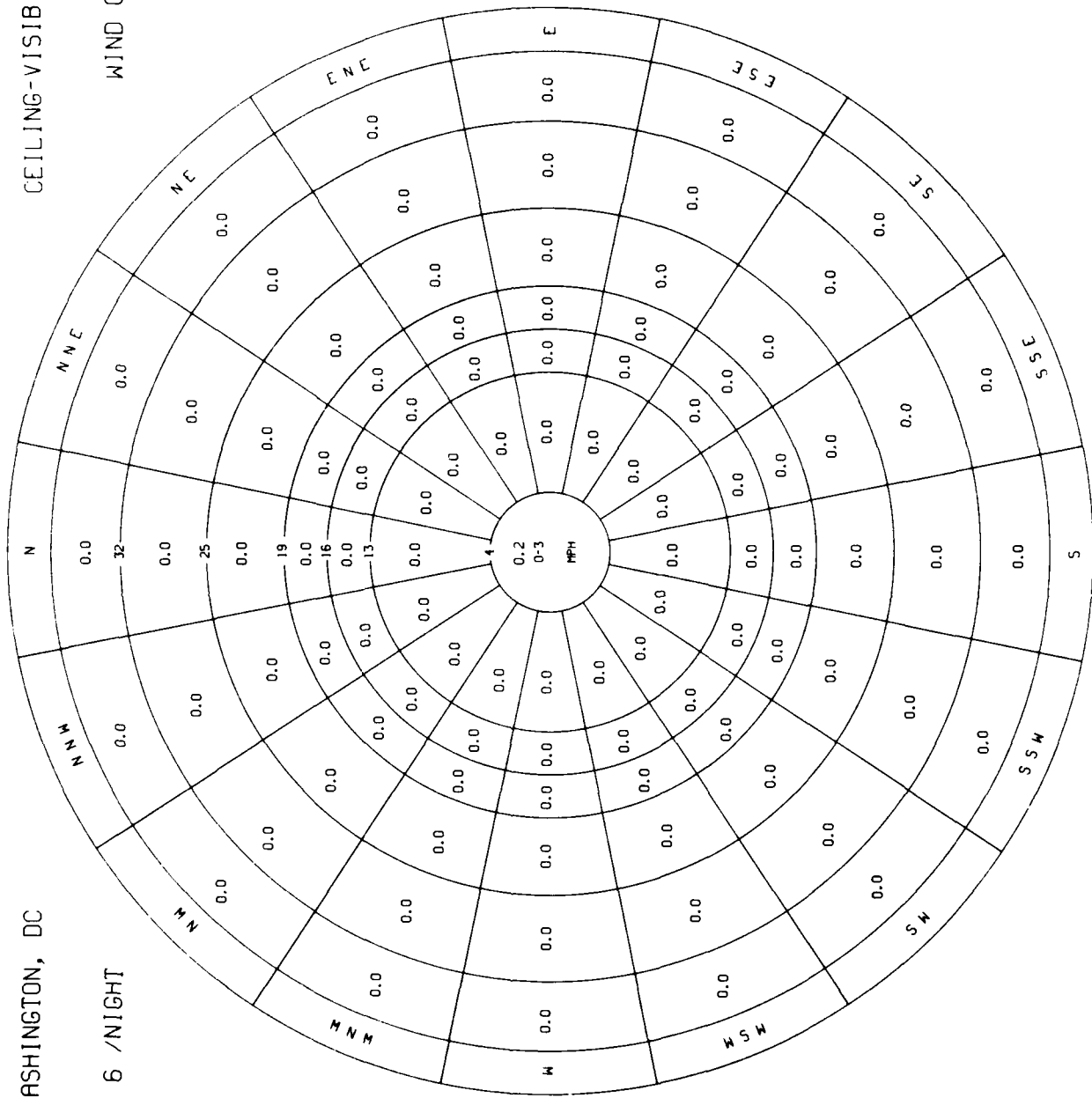
NO. OBS.: 98

STATION NUMBER: 13743

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	1.0	.0	3.1	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	5.1	6.6
NNE	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	5.1	11.0
NE	.0	3.1	.0	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2	6.4
ENE	.0	4.1	.0	6.1	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	11.2	6.0
E	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	4.5
ESE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.0
SE	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.0
SSE	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.0
S	.0	3.1	.0	14.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.4	6.8
SSW	.0	2.0	.0	9.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.2	5.8
SW	.0	2.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	5.3
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	1.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	4.3
WNW	.0	2.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.0
NW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
NNW	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	4.0
CALM	.0	16.3													.0	16.3	
TOTAL	.1	40.8	.1	54.1	.0	2.0	.0	1.0	.0	1.0	.0	1.0	.0	.0	.2	100	5.2

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: DCA WASHINGTON, DC

CLASS 6 / NIGHT

NO. OBS.: 115

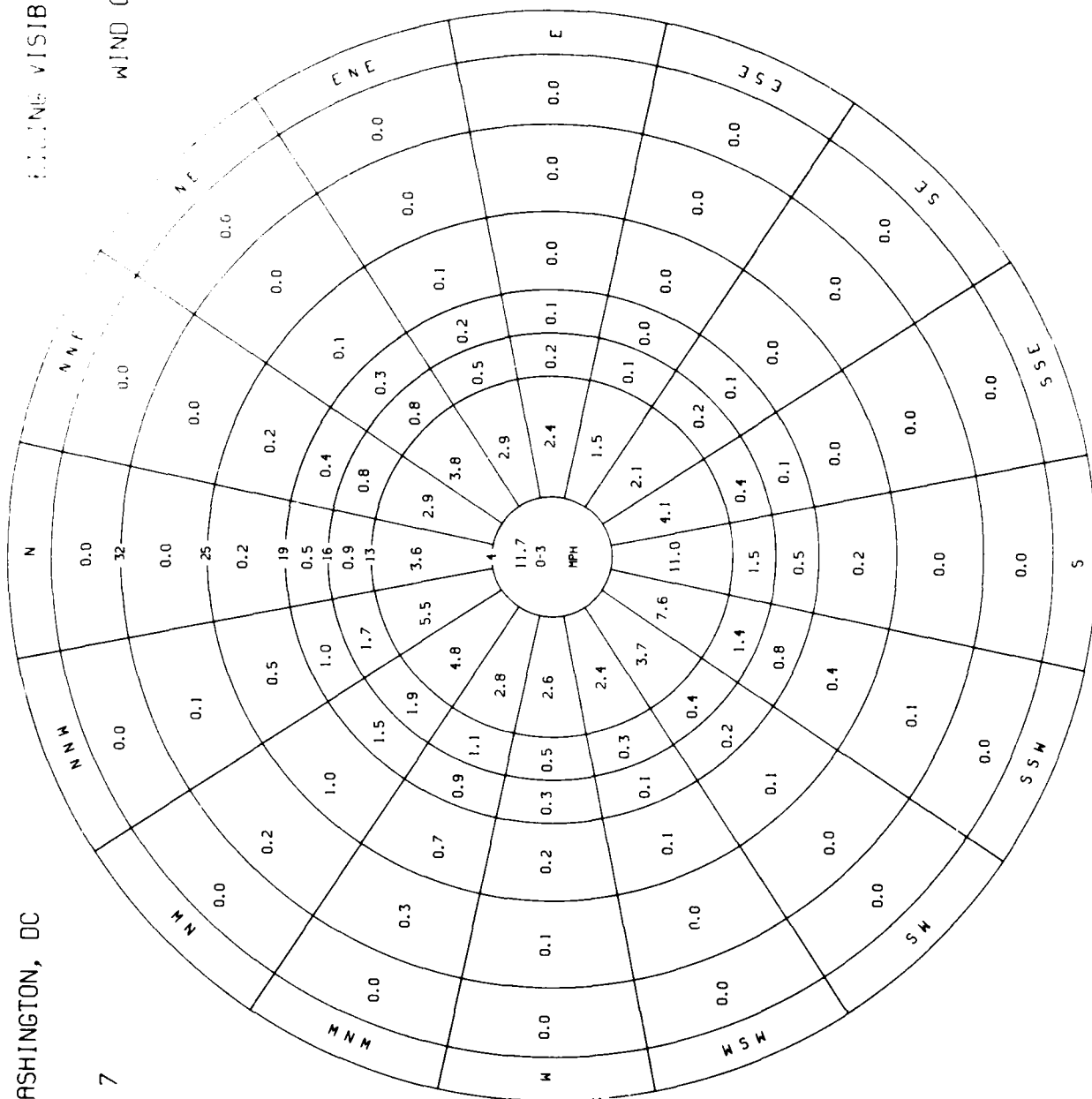
STATION NUMBER: 13743

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	5.2	.0	.9	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0 7.0
NNE	.0	.9	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.3
NE	.0	.9	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.3
ENE	.0	2.6	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.1
E	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
ESE	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SSE	.0	.9	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
S	.0	3.5	.0	15.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1 20.0
SSW	.0	5.2	.0	5.2	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0 12.2
SW	.0	3.5	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.8
WSW	.0	4.3	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.1
W	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NW	.0	2.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
NNW	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
CALM	.1	19.1													.1 19.1
TOTAL	.2	53.9	.1	42.6	.0	2.6	.0	.0	.0	.9	.0	.0	.0	.0	.3 100

DCA WASHINGTON, DC

CLASS 7

WIND VISIBILITY
WIND GRAPH

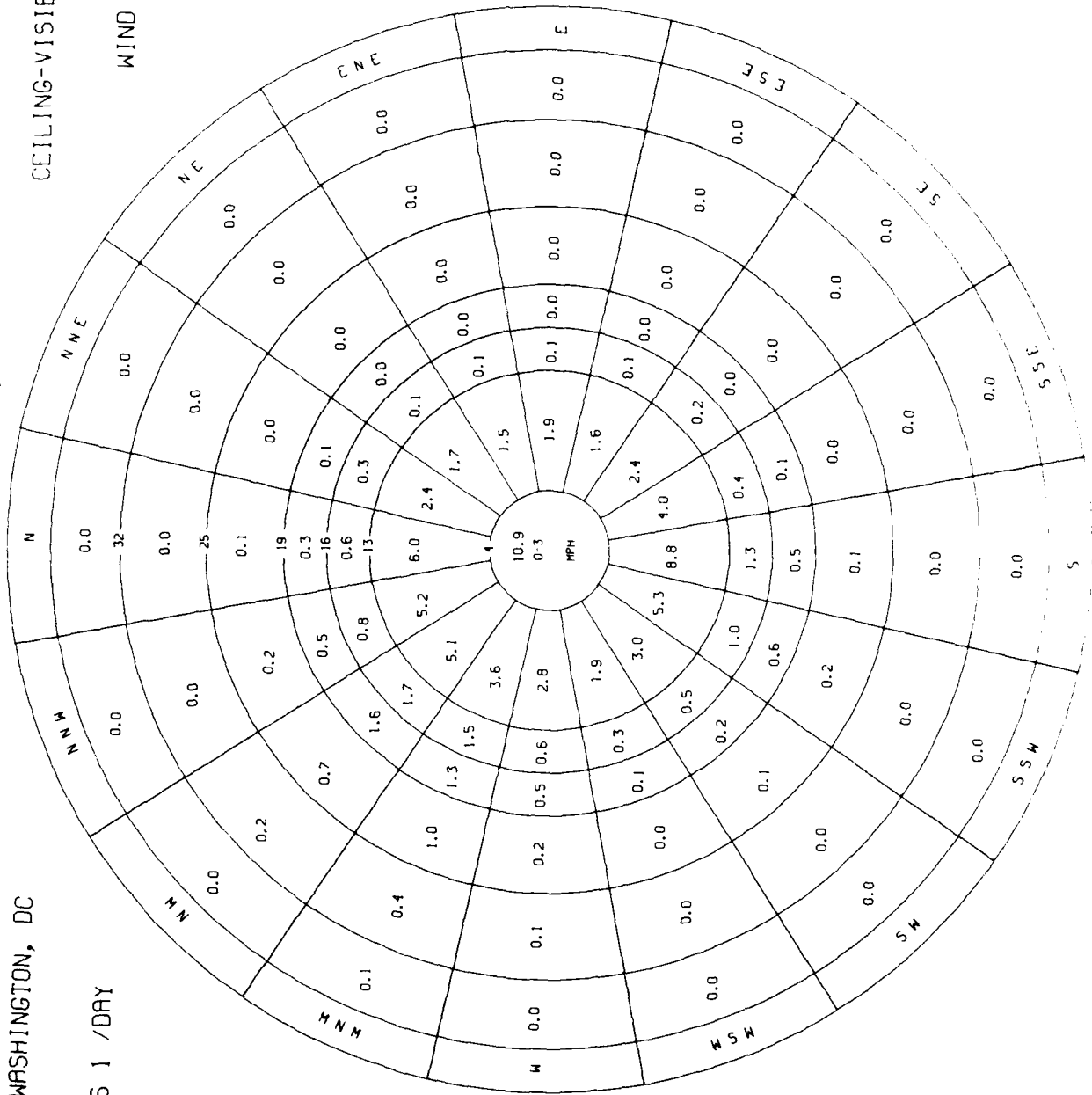


IAD WASHINGTON, DC

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAD WASHINGTON, DC

PERIOD: 1963-1978

CLASS 1 / DAY

STATION NUMBER: 93738

NO. OBS.: 22416

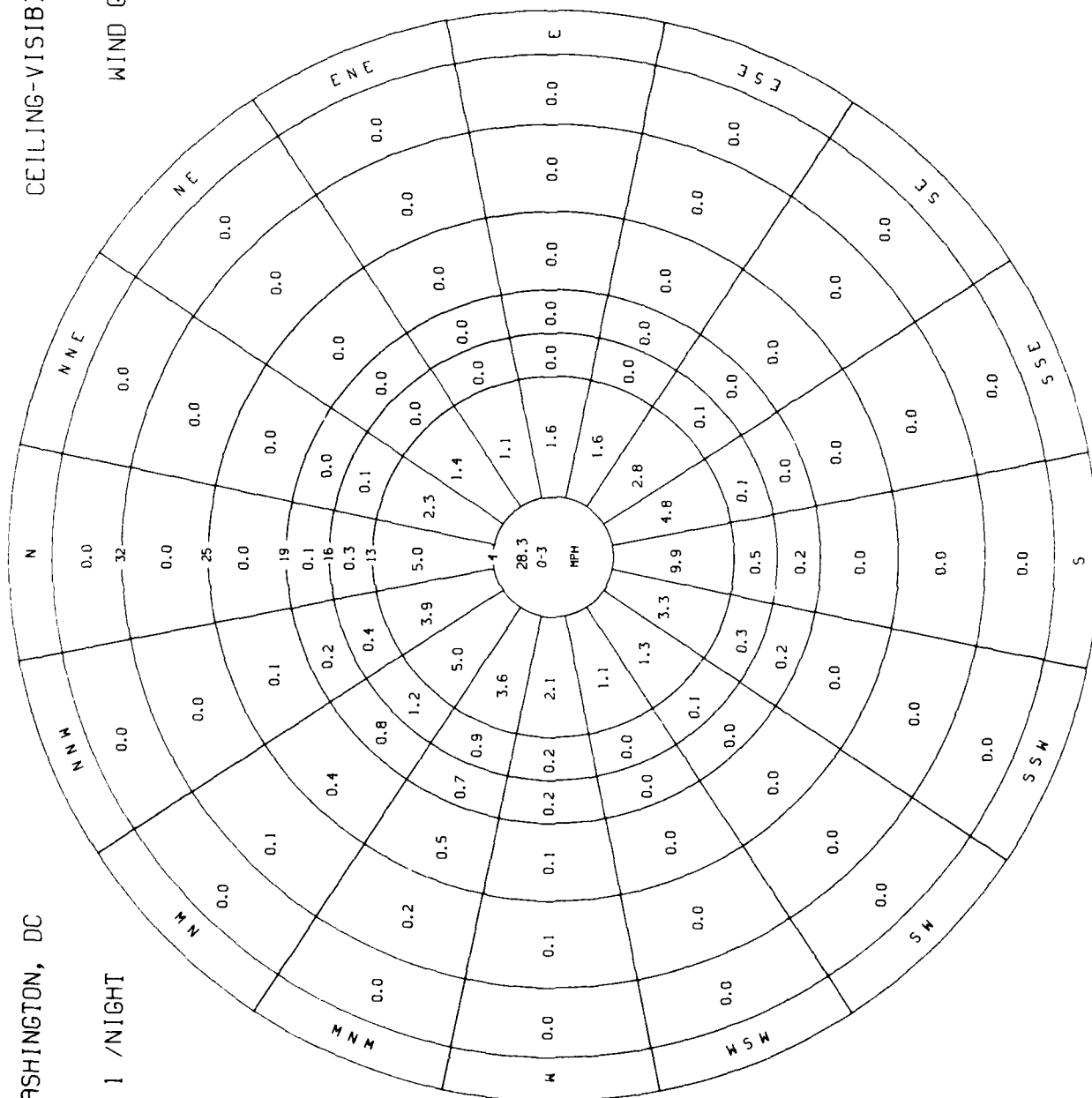
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.7	.8	6.0	7.0	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	7.7 8.9
NNE	.3	.3	2.4	2.8	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0	3.1 3.6
NE	.3	.3	1.7	1.9	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.1 2.4
ENE	.3	.3	1.5	1.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8 2.1
E	.4	.4	1.9	2.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.4 2.7
ESE	.3	.3	1.6	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0 2.3
SE	.3	.3	2.4	2.8	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.9 3.4
SSE	.3	.3	4.0	4.6	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.7 5.4
S	.8	.9	8.8	10.1	1.3	1.5	.5	.6	.1	.1	.0	.0	.0	.0	11.4 13.2
SSW	.4	.5	5.3	6.1	1.0	1.2	.6	.7	.2	.2	.0	.0	.0	.0	7.6 8.8
SW	.3	.4	3.0	3.4	.5	.6	.2	.2	.1	.1	.0	.0	.0	.0	4.1 4.7
WSW	.3	.4	1.9	2.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.6 3.0
W	.3	.3	2.8	3.2	.6	.7	.5	.5	.2	.2	.1	.1	.0	.0	4.4 5.1
WNW	.2	.2	3.6	4.2	1.5	1.8	1.3	1.5	1.0	1.2	.4	.5	.1	.1	8.2 9.4
NW	.4	.4	5.1	5.9	1.7	2.0	1.6	1.8	.7	.8	.2	.2	.0	.0	9.7 11.2
NNW	.5	.6	5.2	6.0	.8	.9	.5	.5	.2	.2	.0	.0	.0	.0	7.3 8.4
CALM	4.8	5.6													4.8 5.6
TOTAL	10.9	12.6	57.1	65.7	9.5	10.9	6.1	6.7	2.6	3.0	.8	.9	.1	.1	86.8 100

1AD WASHINGTON, DC

CLASS 1 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAD WASHINGTON, DC

PERIOD: 1963-1978

CLASS 1 / NIGHT

STATION NUMBER: 93738

NO. OBS.: 18325

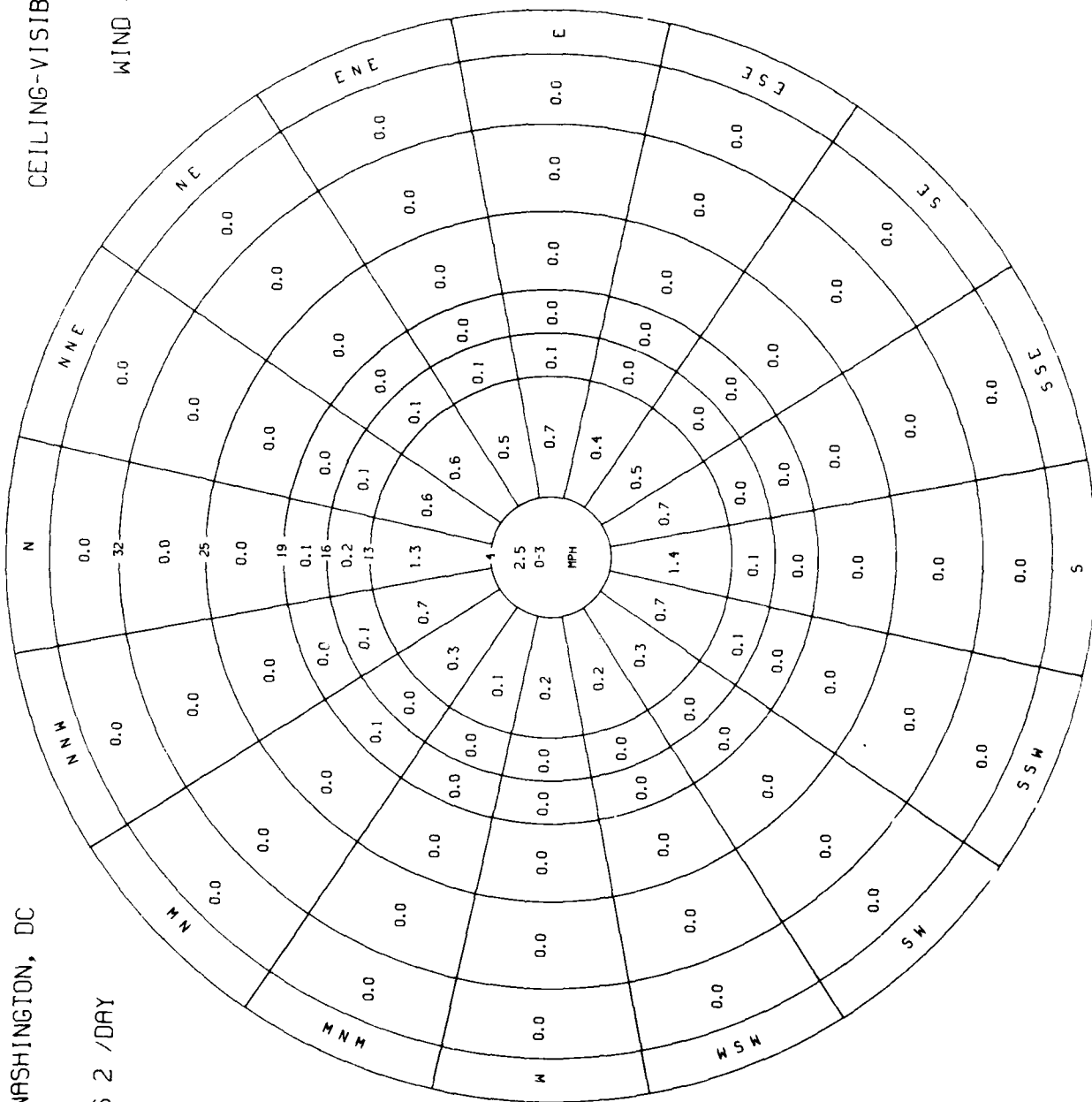
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	1.0	1.1	5.0	5.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	6.5	7.4	7.0
NNE	.3	.4	2.3	2.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.1	6.9
NE	.4	.5	1.4	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.1	5.8
ENE	.4	.5	1.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.7	5.5
E	.7	.8	1.6	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.7	5.5
ESE	.6	.7	1.6	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.6	5.6
SE	.9	1.0	2.8	3.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.3	5.9
SSE	1.0	1.1	4.8	5.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	6.0	6.8	6.5
S	2.0	2.3	9.9	11.3	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	12.7	14.5	7.0
SSW	.8	.9	3.3	3.8	.3	.4	.2	.2	.0	.0	.0	.0	.0	.0	4.7	5.4	7.4
SW	.7	.8	1.3	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.5	5.9
WSW	.6	.7	1.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.0	5.7
W	.6	.6	2.1	2.4	.2	.2	.2	.2	.1	.1	.1	.1	.0	.0	3.2	3.6	8.0
WNW	.5	.5	3.6	4.1	.9	1.0	.7	.8	.5	.6	.2	.2	.0	.0	6.3	7.2	11.2
NW	.7	.7	5.0	5.7	1.2	1.4	.8	.9	.4	.4	.1	.1	.0	.0	8.2	9.3	10.2
NNW	.8	.9	3.9	4.4	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	5.3	6.1	7.6
CALM	16.3	18.6													16.3	18.6	
TOTAL	28.3	32.3	50.8	58.1	4.4	5.0	2.5	2.9	1.2	1.3	.4	.4	.0	.0	87.6	100	6.1

1AD WASHINGTON, DC

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAD WASHINGTON, DC

PERIOD: 1963-1978

CLASS 2 / DAY

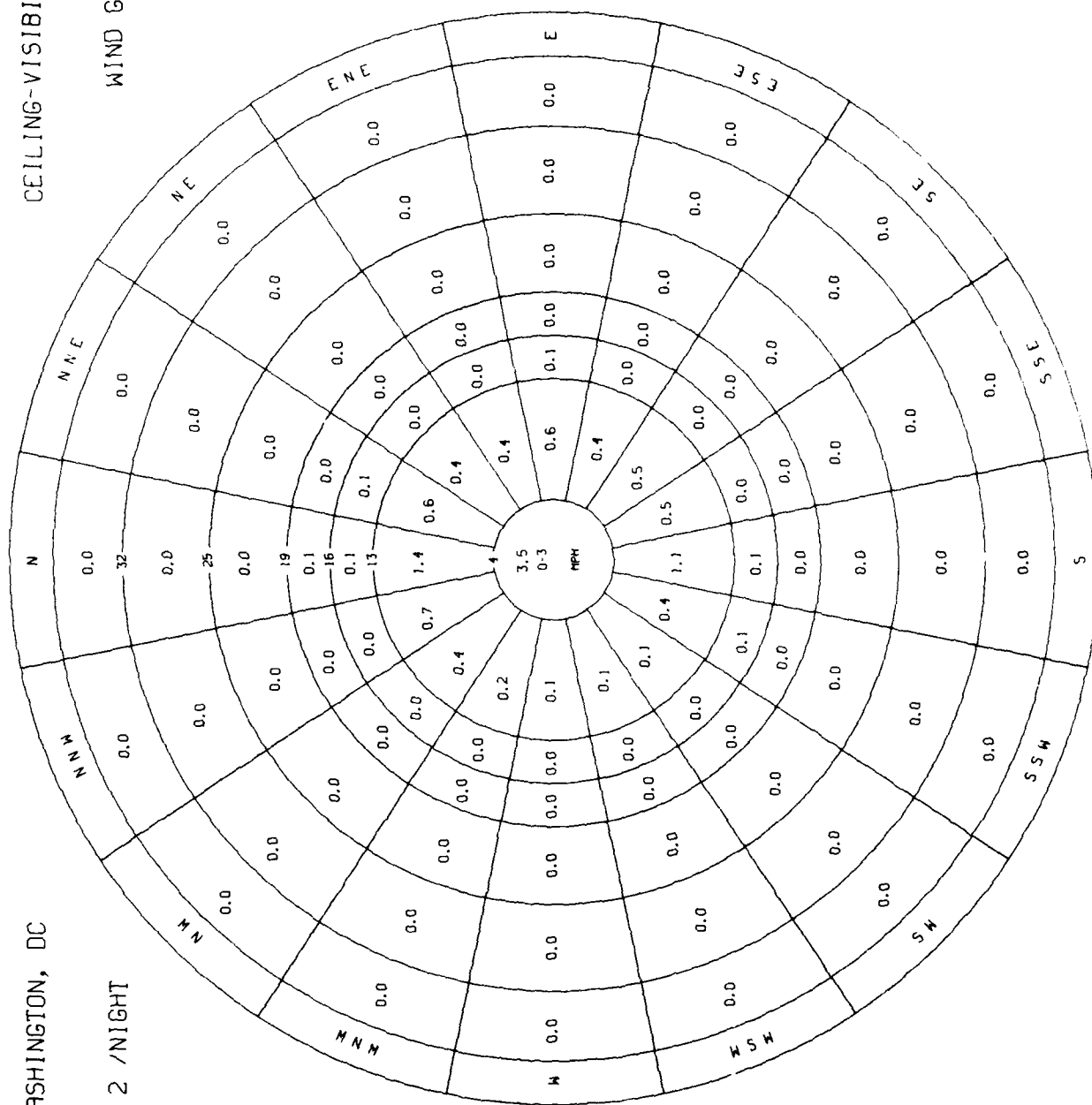
STATION NUMBER: 93738

NO. OBS.: 3403

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	1.8	1.3	9.6	.2	1.4	.1	.5	.0	.2	.0	.1	.0	.0	1.8 13.6
NNE	.1	.5	.6	4.8	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.8 6.1
NE	.0	.4	.6	4.7	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.7 5.6
ENE	.1	.5	.5	3.6	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.9
E	.1	.4	.7	5.3	.1	.4	.0	.2	.0	.1	.0	.1	.0	.0	.8 6.4
ESE	.0	.3	.4	3.3	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6 4.2
SE	.1	.5	.5	3.8	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.7
SSE	.0	.4	.7	5.0	.0	.4	.0	.3	.0	.0	.0	.1	.0	.0	.8 6.0
S	.1	1.0	1.4	10.6	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	1.7 12.8
SSW	.1	.7	.7	5.1	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.9 6.5
SW	.1	.6	.3	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.9
WSW	.1	.4	.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.9
W	.0	.3	.2	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.9
WNW	.1	.4	.1	1.1	.0	.3	.0	.2	.0	.1	.0	.1	.0	.1	.3 2.3
NW	.1	.4	.3	2.6	.0	.3	.1	.4	.0	.3	.0	.0	.0	.0	.5 3.9
NNW	.2	1.1	.7	5.3	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	1.0 7.2
CALM	1.2	8.9													1.2 8.9
TOTAL	2.5	18.7	9.2	69.7	.9	6.9	.4	3.0	.1	1.1	.1	.4	.0	.1	13.2 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAD WASHINGTON, DC

PERIOD: 1963-1978

CLASS 2 / NIGHT

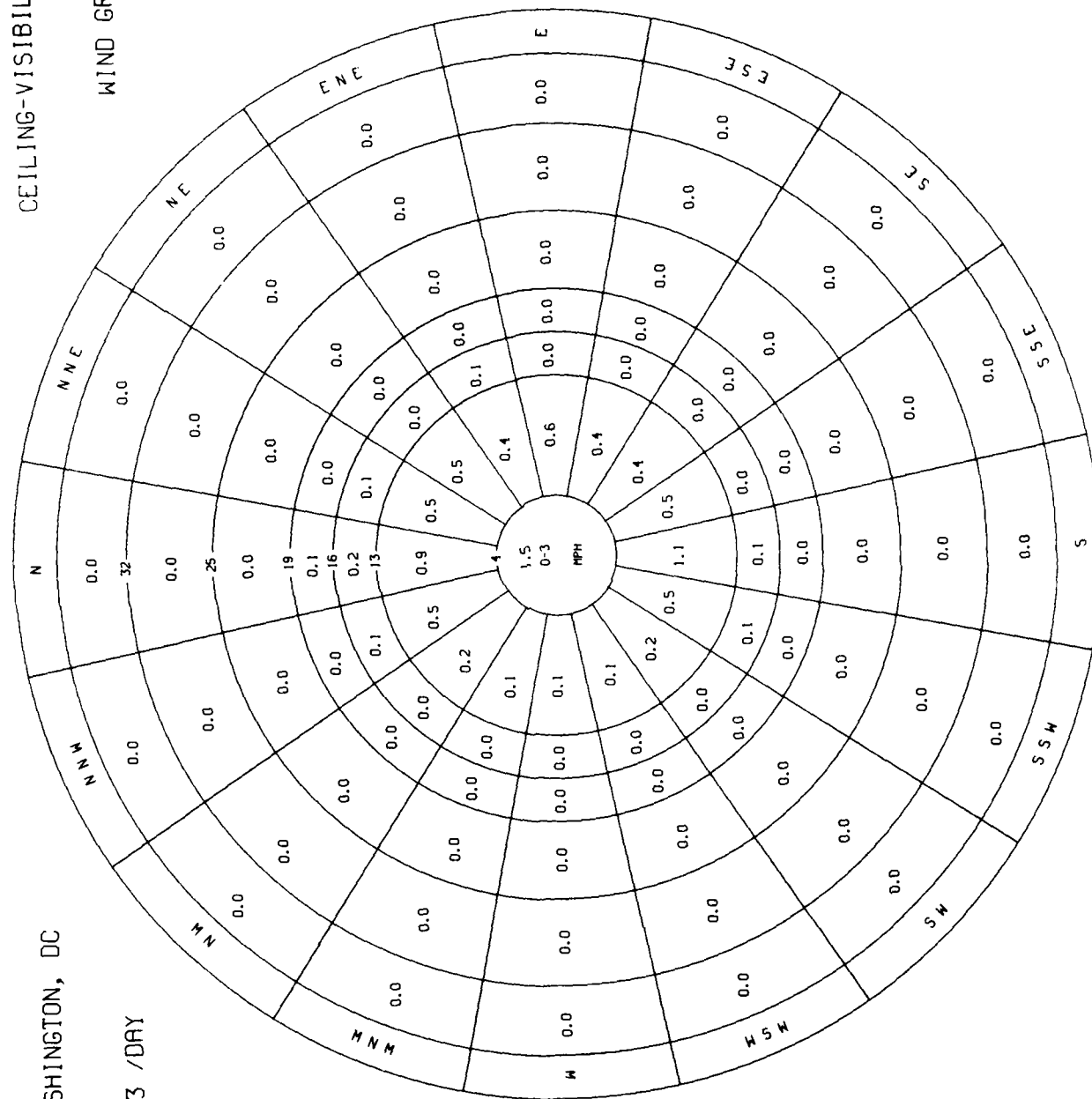
STATION NUMBER: 93738

NO. OBS.: 2601

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.2	1.8	1.4	11.5	.1	1.0	.1	.5	.0	.2	.0	.0	.0	.0	1.9	14.9	7.9
NNE	.1	.8	.6	4.7	.1	.4	.0	.4	.0	.1	.0	.0	.0	.0	.8	6.4	8.2
NNE	.1	.6	.4	3.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.2	7.2
ENE	.0	.4	.4	3.0	.0	.4	.0	.3	.0	.0	.0	.0	.0	.0	.5	4.1	8.5
E	.1	.5	.6	4.8	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.8	6.1	8.0
ESE	.1	.9	.4	2.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.9	6.5
SE	.1	.7	.5	3.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.6	4.7	7.0
SSE	.1	.7	.5	3.8	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.6	5.1	7.2
S	.2	1.3	1.1	8.8	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	1.4	11.0	7.4
SSW	.1	.7	.4	3.6	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.6	4.9	7.8
SW	.1	.6	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.7	5.5
WSW	.0	.3	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	4.6
W	.1	.6	.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.8	5.8
WNW	.0	.3	.2	1.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.3	7.0
NW	.1	.5	.4	3.1	.0	.3	.0	.3	.0	.2	.0	.1	.0	.0	.6	4.5	9.2
NNW	.1	1.0	.7	5.6	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.9	7.1	7.1
CALM	2.0	16.5													2.0	16.5	
TOTAL	3.5	28.2	7.9	63.2	.6	4.9	.3	2.6	.1	.9	.0	.1	.0	.0	12.4	100	6.3

CEILING-VISIBILITY

WIND GRAPH



IAD WASHINGTON, DC

CLASS 3 / DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1963-1978

STATION NAME: IAD WASHINGTON, DC

CLASS 3 / DAY

NO. OBS.: 2514

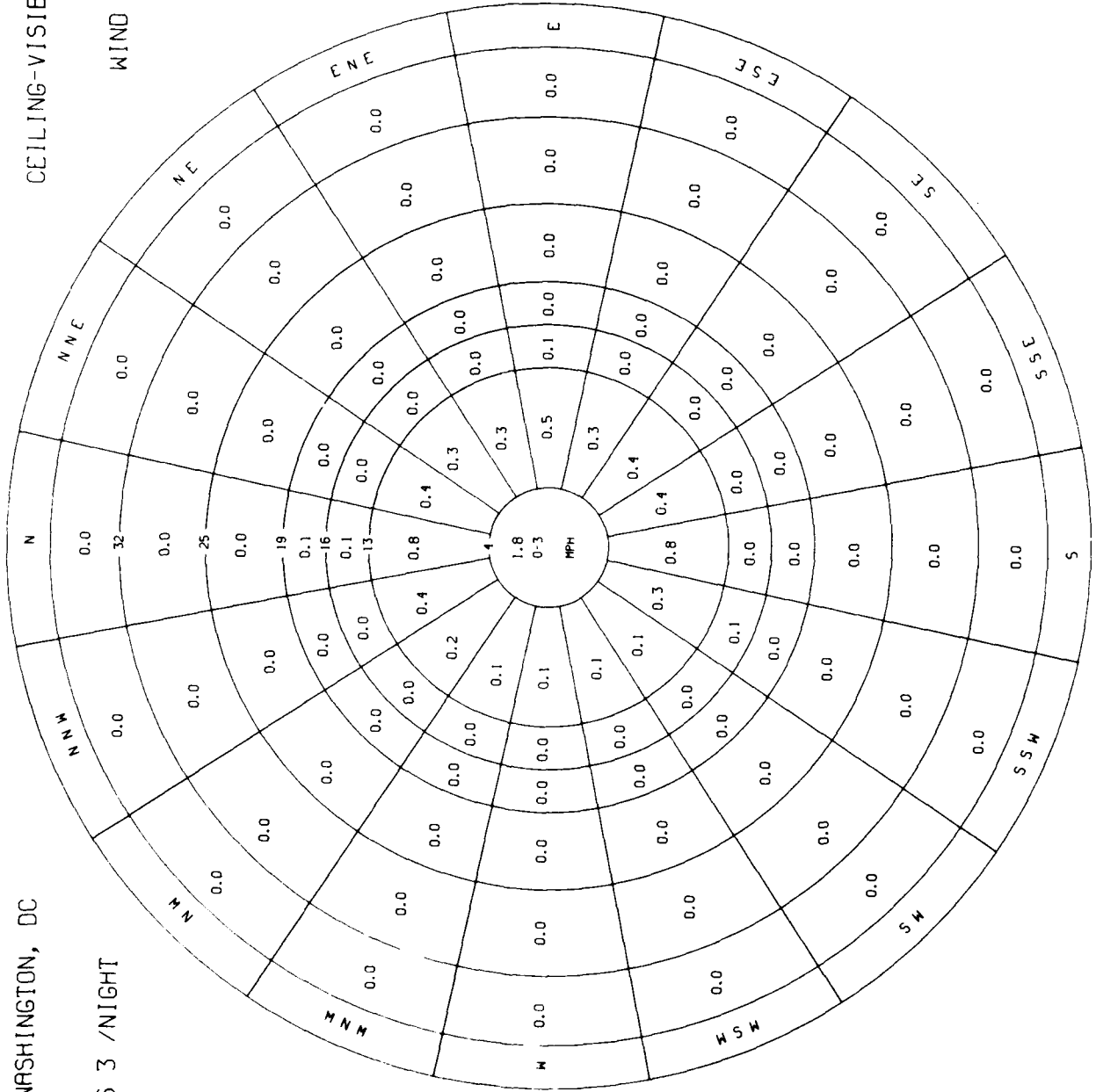
STATION NUMBER: 93738

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																C	D
N	.1	1.1	.9	8.8	.2	1.6	.1	.6	.0	.2	.0	.0	.0	.0	1.2	12.3	9.2
NNE	.0	.3	.5	4.9	.1	.8	.0	.2	.0	.1	.0	.0	.0	.0	.6	6.2	8.9
NE	.0	.3	.5	5.2	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.6	6.1	8.3
ENE	.0	.4	.4	3.6	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	.5	5.0	8.6
E	.0	.5	.6	5.8	.0	.5	.0	.3	.0	.1	.0	.1	.0	.0	.7	7.3	8.8
ESE	.0	.3	.4	3.7	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.5	4.7	8.7
SE	.0	.4	.4	4.2	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.5	5.2	7.9
SSE	.0	.3	.5	5.4	.0	.4	.0	.4	.0	.0	.0	.1	.0	.0	.6	6.6	8.7
S	.1	1.0	1.1	11.2	.1	1.0	.0	.4	.0	.2	.0	.0	.0	.0	1.3	13.8	8.4
SSW	.1	.6	.5	5.3	.1	.7	.0	.3	.0	.0	.0	.0	.0	.0	.7	6.8	8.2
SW	.1	.6	.2	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.9	7.0
WSW	.0	.5	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.9	6.2
W	.0	.2	.1	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.8	7.8
WNW	.0	.4	.1	1.1	.0	.4	.0	.2	.0	.1	.0	.0	.0	.1	.2	2.3	10.0
NW	.0	.3	.2	2.1	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.3	3.3	9.9
NNW	.1	.7	.5	5.0	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.6	6.6	7.9
CALM	.7	7.2													.7	7.2	
TOTAL	1.5	15.1	6.9	71.4	.8	8.2	.4	3.7	.1	1.2	.0	.4	.0	.2	9.7	100	7.9

IAD WASHINGTON, DC

CLASS 3 / NIGHT

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1963-1978

STATION NAME: 1AD WASHINGTON, DC

CLASS 3 / NIGHT

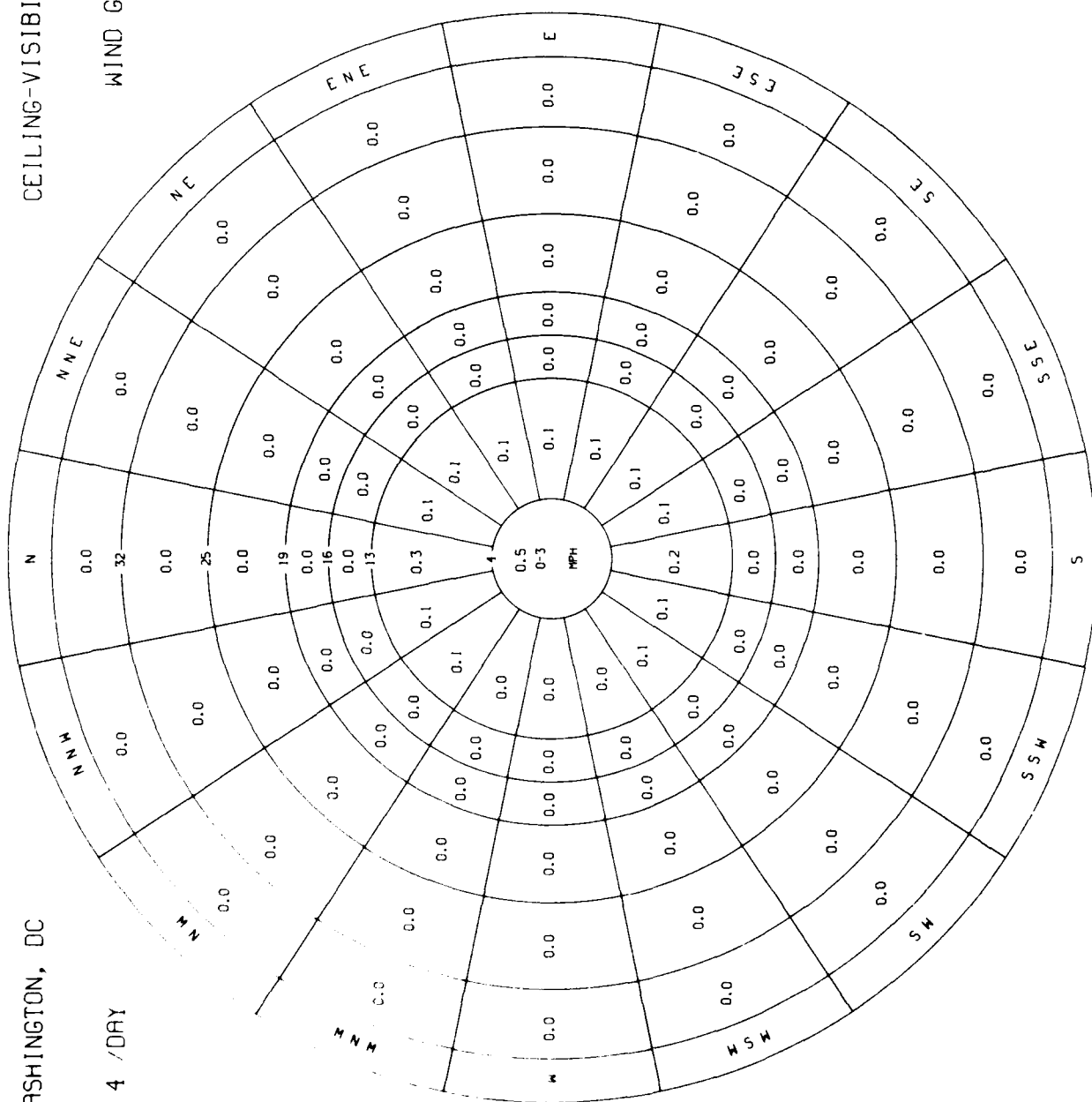
NO. OBS.: 1653

STATION NUMBER: 93738

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.1	1.4	.8	10.1	.1	1.3	.1	.7	.0	.1	.0	.0	.0	.0	1.1	13.6	8.6
NNE	.0	.5	.4	4.9	.0	.5	.0	.3	.0	.1	.0	.1	.0	.0	.5	6.3	8.7
NE	.0	.6	.3	3.9	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.4	5.0	7.7
ENE	.0	.4	.3	3.8	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.4	5.0	8.8
E	.0	.4	.5	6.1	.1	.7	.0	.2	.0	.2	.0	.0	.0	.1	.6	7.6	8.5
ESE	.1	1.1	.3	3.4	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4	4.8	6.6
SE	.1	.7	.4	4.6	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.4	5.7	7.5
SSE	.0	.5	.4	4.5	.0	.6	.0	.1	.0	.1	.0	.0	.0	.0	.5	5.7	7.8
S	.1	1.2	.8	9.6	.0	.6	.0	.4	.0	.1	.0	.0	.0	.0	.9	11.9	7.6
SSW	.1	.8	.3	3.8	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.4	5.6	8.2
SW	.1	.7	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	5.3
WSW	.0	.2	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	5.1
W	.0	.4	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.3	5.7
WNW	.0	.3	.1	1.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.2	7.7
NW	.0	.3	.2	2.7	.0	.4	.0	.3	.0	.2	.0	.1	.0	.0	.3	4.1	10.3
NNW	.1	.8	.4	5.1	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.5	6.5	7.5
CALM	1.0	12.4							.1	1.1	.0	.2	.0	.1	7.9	100	7.0
TOTAL	1.8	22.8	5.2	66.0	.5	6.8	.2	3.1									

CEILING-VISIBILITY

WIND GRAPH



IAD WASHINGTON, DC

CLASS 4 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAD WASHINGTON, DC

PERIOD: 1963-1978

CLASS 4 / DAY

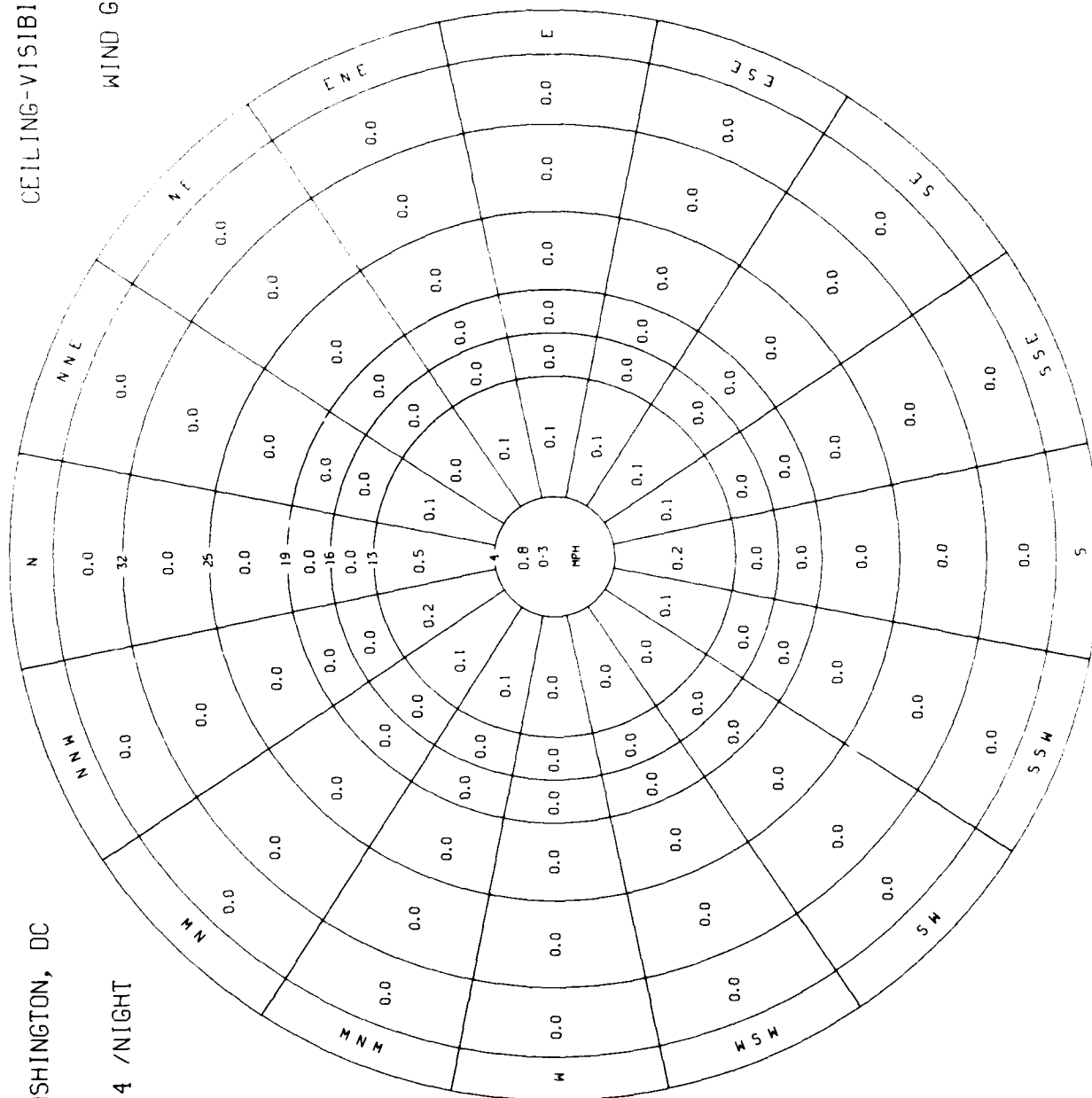
STATION NUMBER: 93738

NO. OBS.: 567

D I R	SPEED GROUPS (MPH)																		AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL							
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D						
N	.0	.2	.1	.3	.12	.7	.0	.1	.2	.0	.5	.0	.2	.0	.2	.0	.0	.4	.16	.9	8.0	
NNE	.0	.9		.1	.4	.9	.0	.2		.0	.0	.0	.2	.0	.0	.0	.0	.1	.6	.2	7.3	
NE	.0	.7		.1	.4	.2	.0	.9		.0	.2	.0	.0	.0	.0	.0	.0	.1	.6	.0	7.9	
ENE	.0	.5		.1	.4	.9	.0	.4		.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.8	7.5	
E	.0	.0		.1	.4	.4	.0	.2		.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.6	7.5	
ESE	.0	.2		.1	.2	.5	.0	.2		.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.8	7.4	
SE	.0	.1	.1	.1	.3	.4	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.4	5.7	
SSE	.0	.7		.1	.4	.4	.0	.2		.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.3	7.4	
S	.0	.7		.2	.9	.3	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.2	.10	.1	6.9	
SSW	.0	.1	.1	.1	.5	.1	.0	.0		.0	.2	.0	.0	.0	.0	.0	.0	.1	.6	.3	7.0	
SW	.0	.4		.1	.2	.3	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.6	6.7	
WSW	.0	.2		.0	.1	.6	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	5.2	
W	.0	.9		.0	.1	.4	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	5.3	
WNW	.0	.2		.0	.7		.0	.2		.0	.2	.0	.2	.0	.2	.0	.2	.0	.1	.8	14.6	
NW	.0	.4		.1	.4	.2	.0	.2		.0	.7	.0	.4	.0	.0	.0	.0	.1	.5	.8	9.6	
NNW	.0	.1		.1	.5	.5	.0	.4		.0	.0	.0	.2	.0	.2	.0	.0	.2	.8	.1	6.9	
CALM	.2	.9	.2															.2	.9	.2		
TOTAL	.5	.21	.0	1.6	.71	.6	.1	.3	.9	.0	1.8	.0	.1	.1	.0	.5	.0	.2	.2	.2	100	6.8

IAD WASHINGTON, DC

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAD WASHINGTON, DC

PERIOD: 1963-1978

CLASS 4 / NIGHT

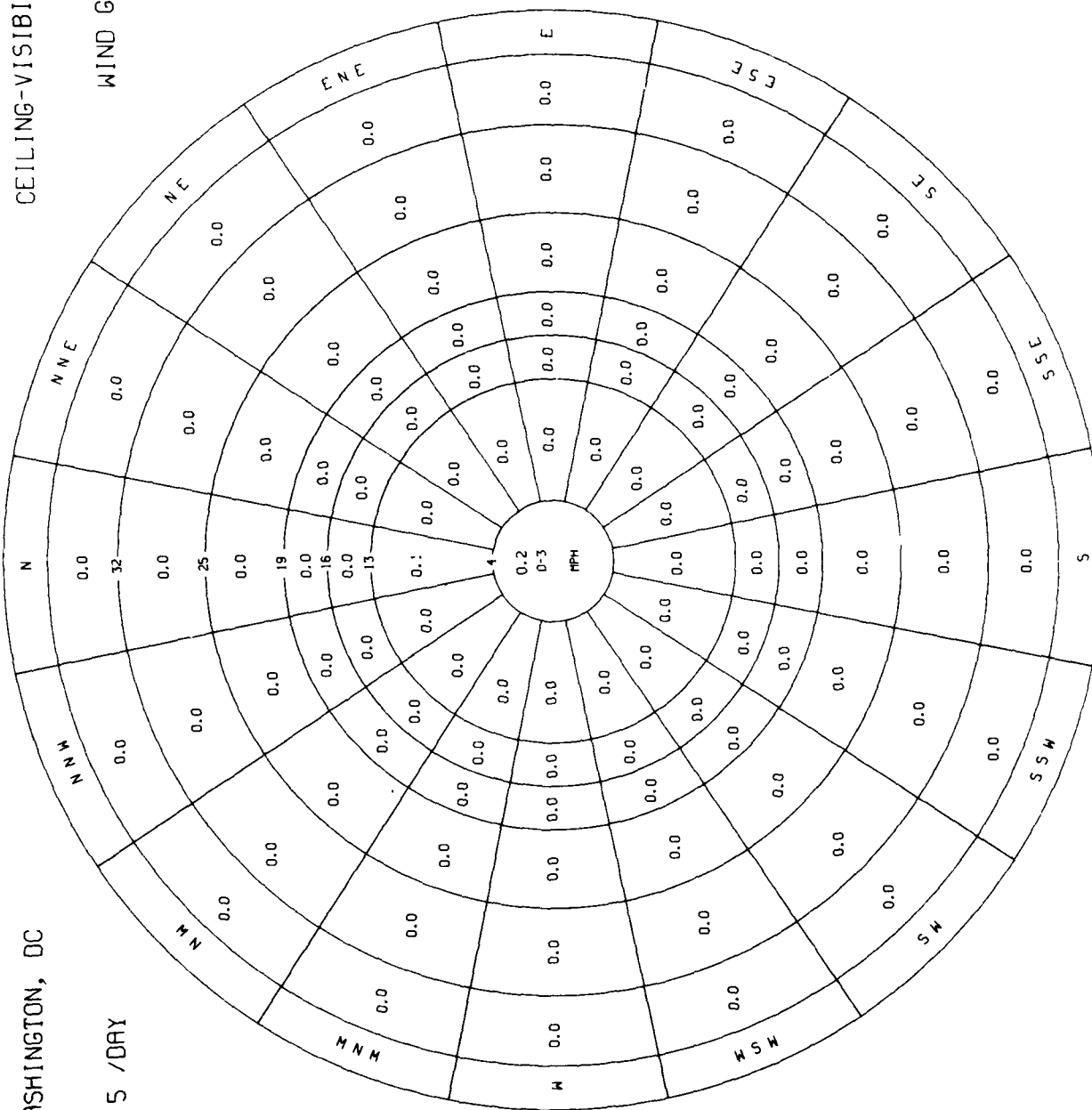
STATION NUMBER: 93738

NO. OBS.: 557

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	2.2	.5	17.1	.0	.7	.0	.2	.0	.2	.0	.0	.0	.0	.5	20.3	7.3
NNE	.0	1.3	.1	5.6	.0	.5	.0	.7	.0	.2	.0	.0	.0	.0	.2	8.3	8.1
NE	.0	.9	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.5	5.2
ENE	.0	.2	.1	2.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.2	8.2
E	.0	.9	.1	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.1	6.5
ESE	.0	.4	.1	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.5	5.8
SE	.0	.2	.1	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	6.0
SSE	.0	.9	.1	3.4	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.5	6.2
S	.0	1.3	.2	8.4	.0	.5	.0	.4	.0	.0	.0	.0	.0	.0	.3	10.6	7.3
SSW	.0	.5	.1	2.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.4	7.0
SW	.0	.2	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	5.9
WSW	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.3
W	.0	.7	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.2	6.8
WNW	.0	.2	.1	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	6.8
NW	.0	.9	.1	4.5	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.2	6.3	8.2
NNW	.0	1.1	.2	7.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	8.8	6.9
CALM	.4	16.7													.4	16.7	
TOTAL	.8	28.5	1.8	65.9	.1	2.6	.1	2.2	.0	.0	.0	.0	.1	.0	2.7	100	5.9

CEILING-VISIBILITY

WIND GRAPH



IAD WASHINGTON, DC

CLASS 5 / DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAD WASHINGTON, DC

PERIOD: 1963-1978

CLASS 5 / DAY

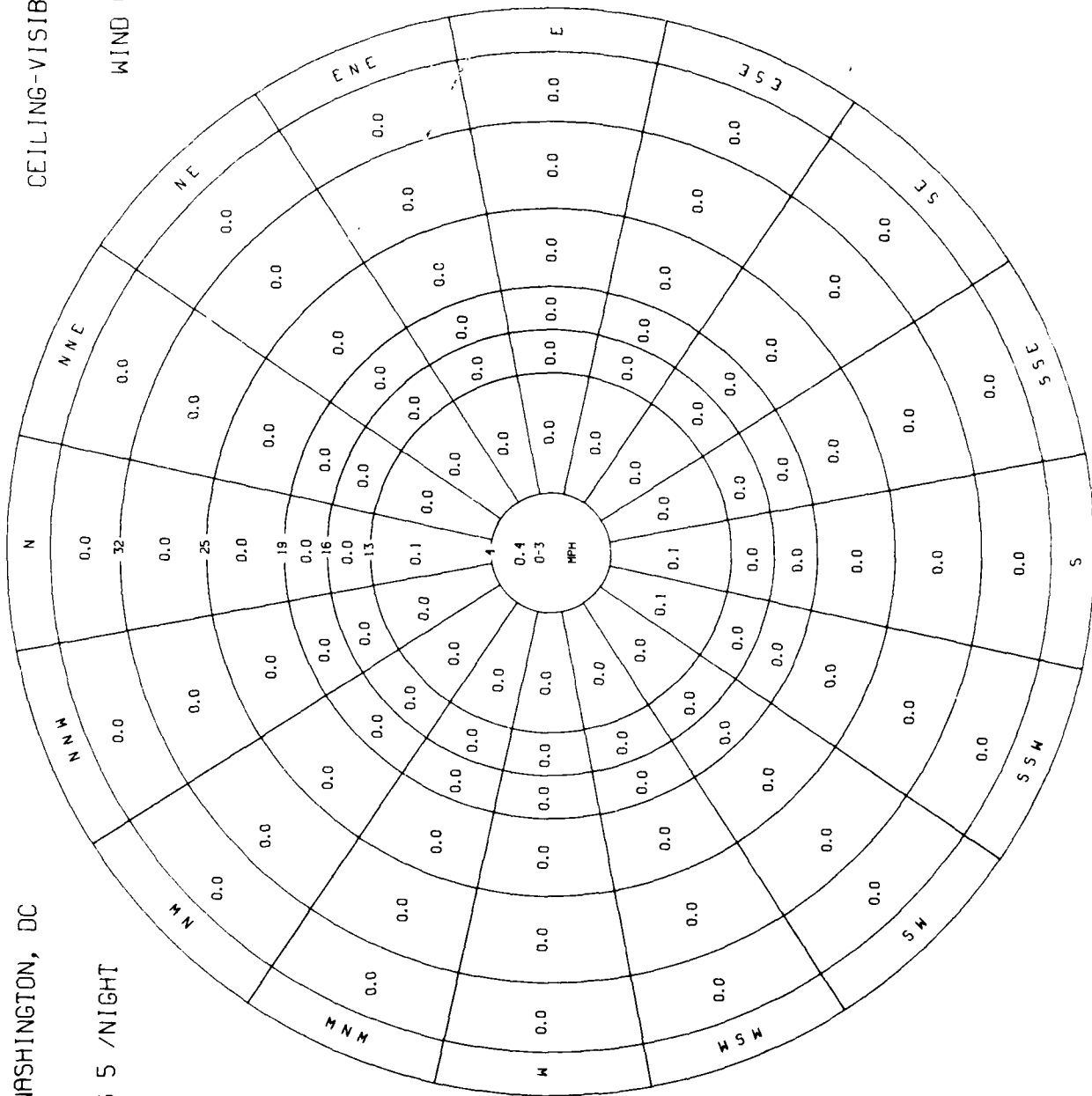
STATION NUMBER: 93738

NO. OBS.: 133

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	3.8	.1	11.3	.0	1.5	.0	.0	.0	.8	.0	.8	.0	.0	.1	18.0	8.1
NNE	.0	.8	.0	5.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	7.2
NE	.0	.8	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.7
ENE	.0	.8	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.7
E	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	8.4
ESE	.0	.8	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.3
SE	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.0
SSE	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.8
S	.0	1.5	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	5.3
SSW	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	7.5
SW	.0	1.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.7
WSW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	4.5
W	.0	.8	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	6.0
WNW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	1.5	17.5
NW	.0	1.5	.0	3.8	.0	.8	.0	.8	.0	.0	.0	.8	.0	.0	.0	7.5	9.8
NNW	.0	3.0	.0	8.3	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.8	6.7
CALM	.1	20.3													.1	20.3	
TOTAL	2	36.8	.3	54.9	.0	4.5	.0	.8	.0	.8	.0	2.3	.0	.0	.5	100	5.8

CEILING-VISIBILITY WIND GRAPH

IAD WASHINGTON, DC
CLASS 5 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: 1AD WASHINGTON, DC

PERIOD: 1963-1978

CLASS 5 / NIGHT

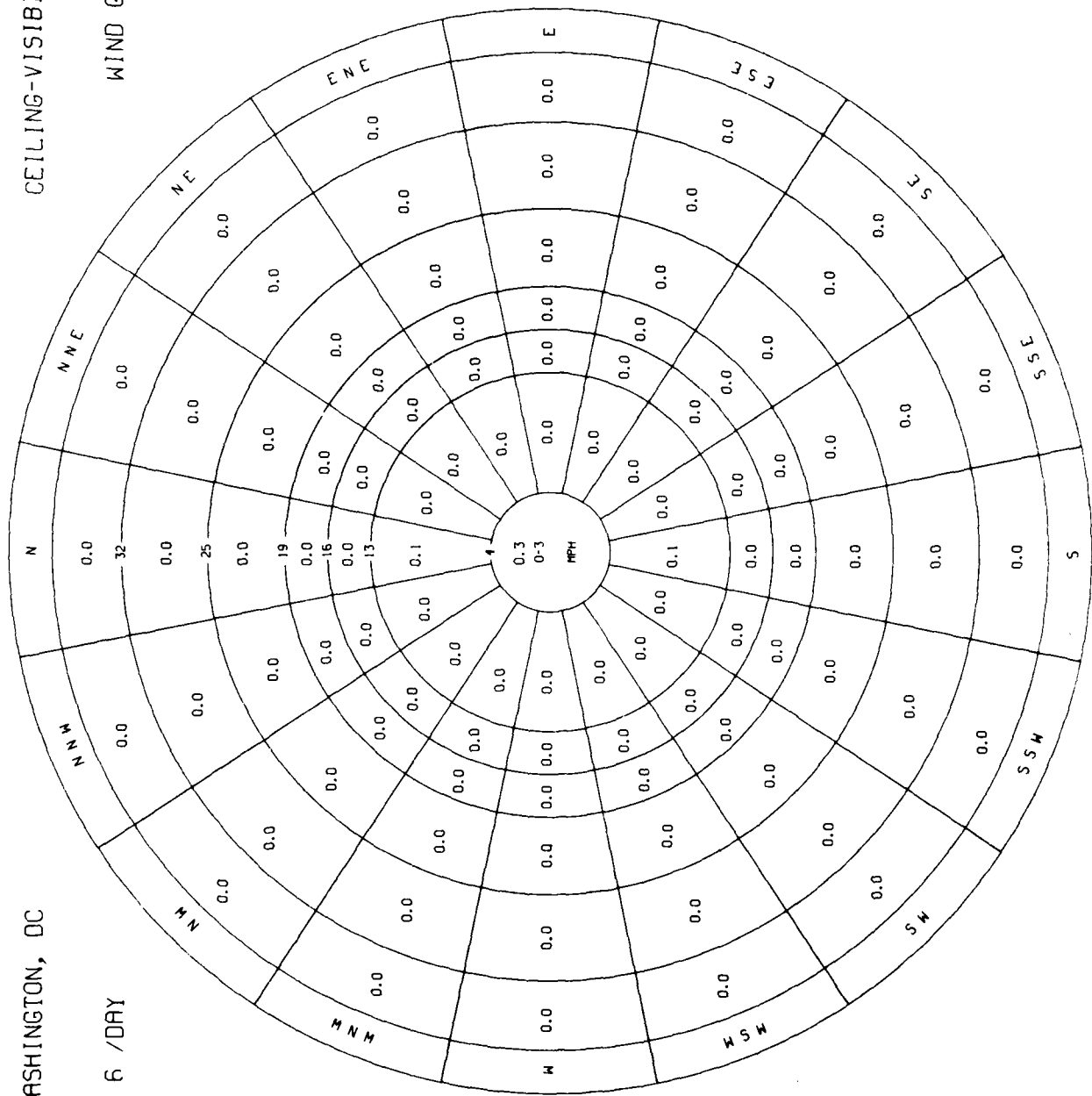
STATION NUMBER: 93738

NO. OBS.: 181

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.8	.1	9.9	.0	.0	.0	1.1	.0	.6	.0	.0	.0	.0	.1	14.4	7.6
NNE	.0	.6	.0	2.2	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	3.3	6.9
NE	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	6.3
ENE	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.0
E	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	6.0
ESE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.0
SE	.0	1.7	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	4.7
SSE	.0	2.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.3
S	.0	.6	.1	7.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.8	6.7
SSW	.0	.6	.1	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.6	7.0
SW	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.0
WSW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	6.0
W	.0	.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.3
WNW	.0	.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.0
NW	.0	.6	.0	3.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	7.4
NNW	.0	2.2	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.6	6.5
CALM	.3	32.6													.3	32.6	
TOTAL	.4	46.4	.4	50.3	.0	1.1	.0	1.7	.0	.6	.0	.0	.0	.0	.9	100	4.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1963-1978

STATION NAME: IAD WASHINGTON, DC

CLASS 6 / DAY

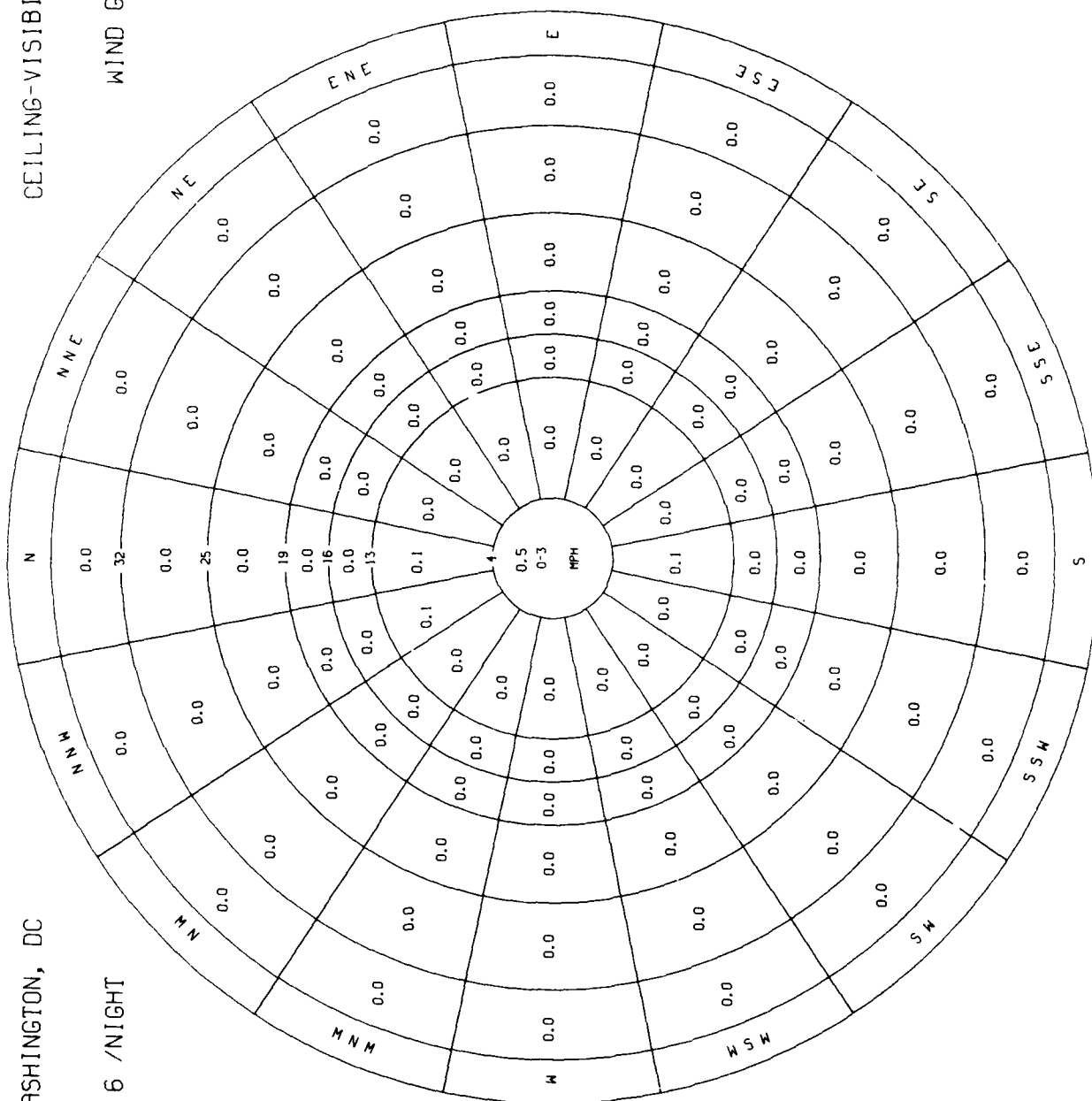
NO. OBS.: 19

STATION NUMBER: 93738

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.1	8.5	.1	9.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	17.5	4.6
NNE	.0	1.1	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.3
NE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.0
ENE	.0	1.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.0
E	.0	1.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.4
ESE	.0	.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.0
SE	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.7
SSE	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.0
S	.0	2.1	.1	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	13.2	6.0
SSW	.0	.5	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.2
SW	.0	.5	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.7
WSW	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.6
W	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.0
WNW	.0	1.6	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	5.0
NW	.0	1.6	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	4.6
NNW	.0	3.7	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.5	4.7
CALM	.2	22.8														.2	22.8	
TOTAL	.3	47.1	.4	52.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	100	4.0

CEILING-VISIBILITY

WIND GRAPH



IAD WASHINGTON, DC

CLASS 6 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAD WASHINGTON, DC

PERIOD: 1963-1978

CLASS 6 / NIGHT

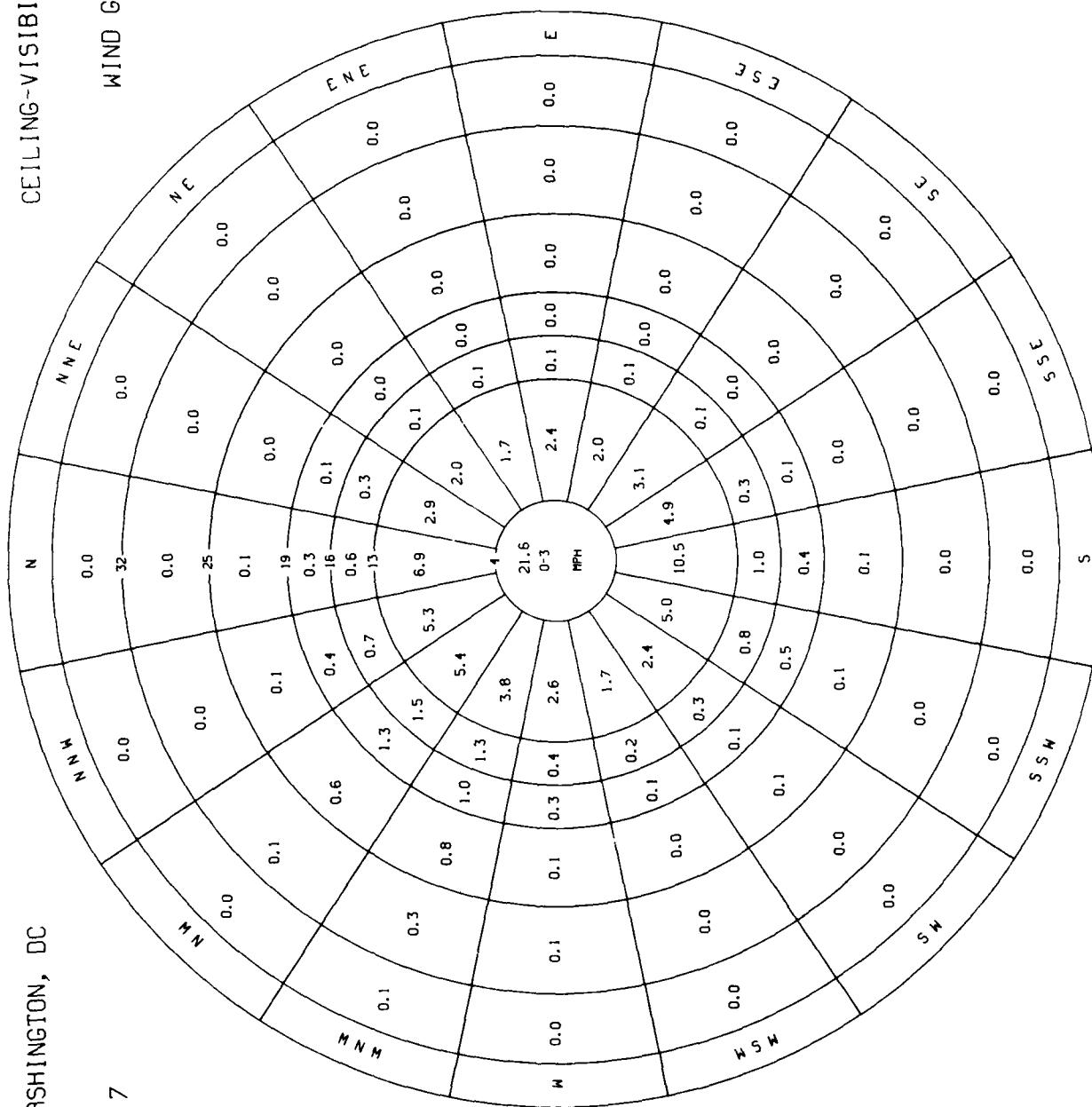
STATION NUMBER: 93738

NO. OBS.: 210

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	3.3	.1	8.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.9
NNE	.0	1.9	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.8
NE	.0	.5	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
ENE	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
E	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
ESE	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0 2.9
SE	.0	1.9	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
SSE	.0	1.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
S	.0	2.4	.1	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.6
SSW	.0	.5	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
SW	.0	1.4	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
WSW	.0	1.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
W	.0	1.9	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.3
WNW	.0	.5	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
NW	.0	.5	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
NNW	.0	1.4	.1	6.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.6
CALM	.3	33.8													.3 33.8
TOTAL	.5	54.3	.5	45.2	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	1.0 100
															3.6

CEILING-VISIBILITY

WIND GRAPH



IAD WASHINGTON, DC

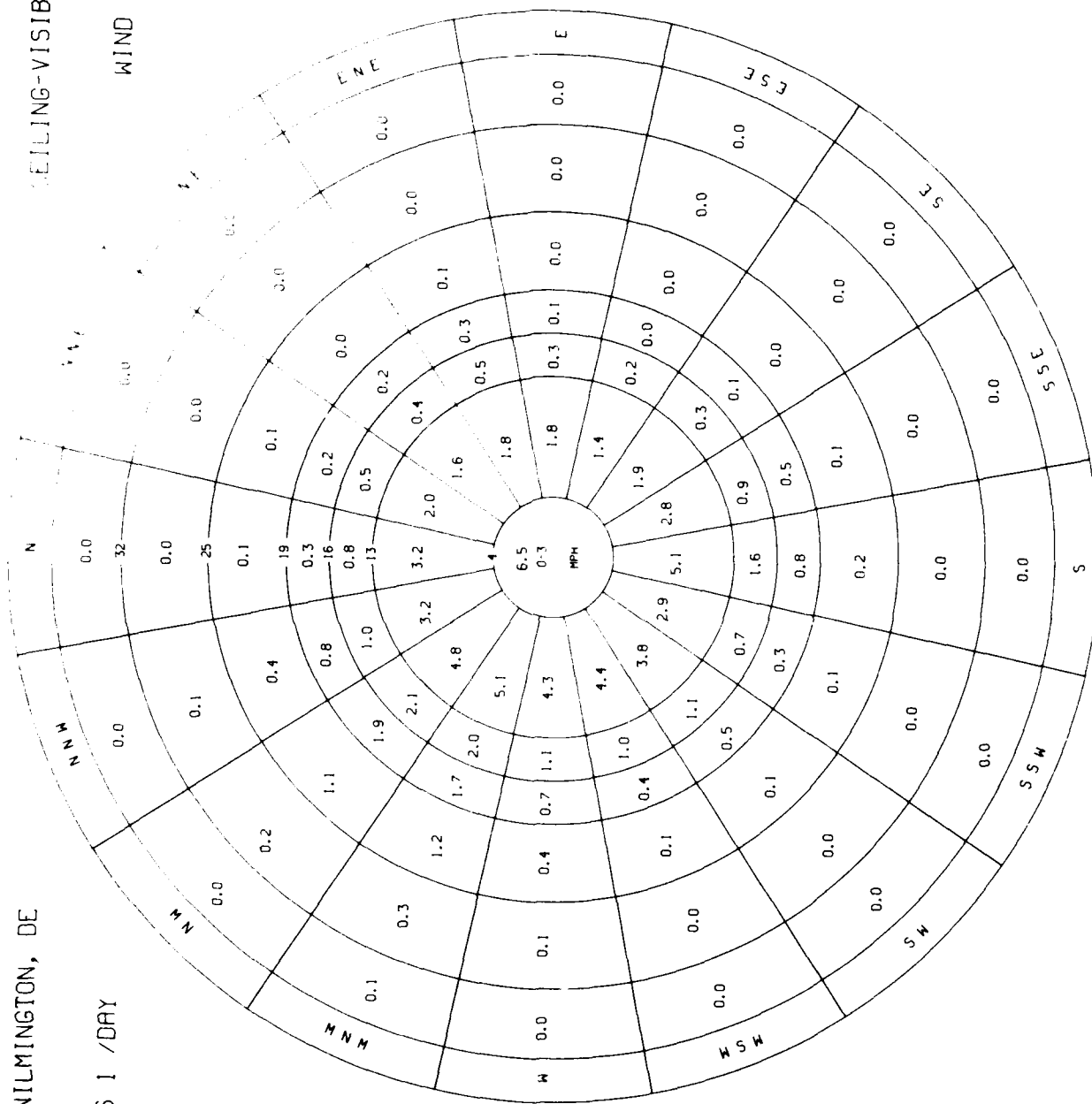
CLASS 7

ILG WILMINGTON, DE

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ILG WILMINGTON, DE

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 13781

NO. OBS.: 42540

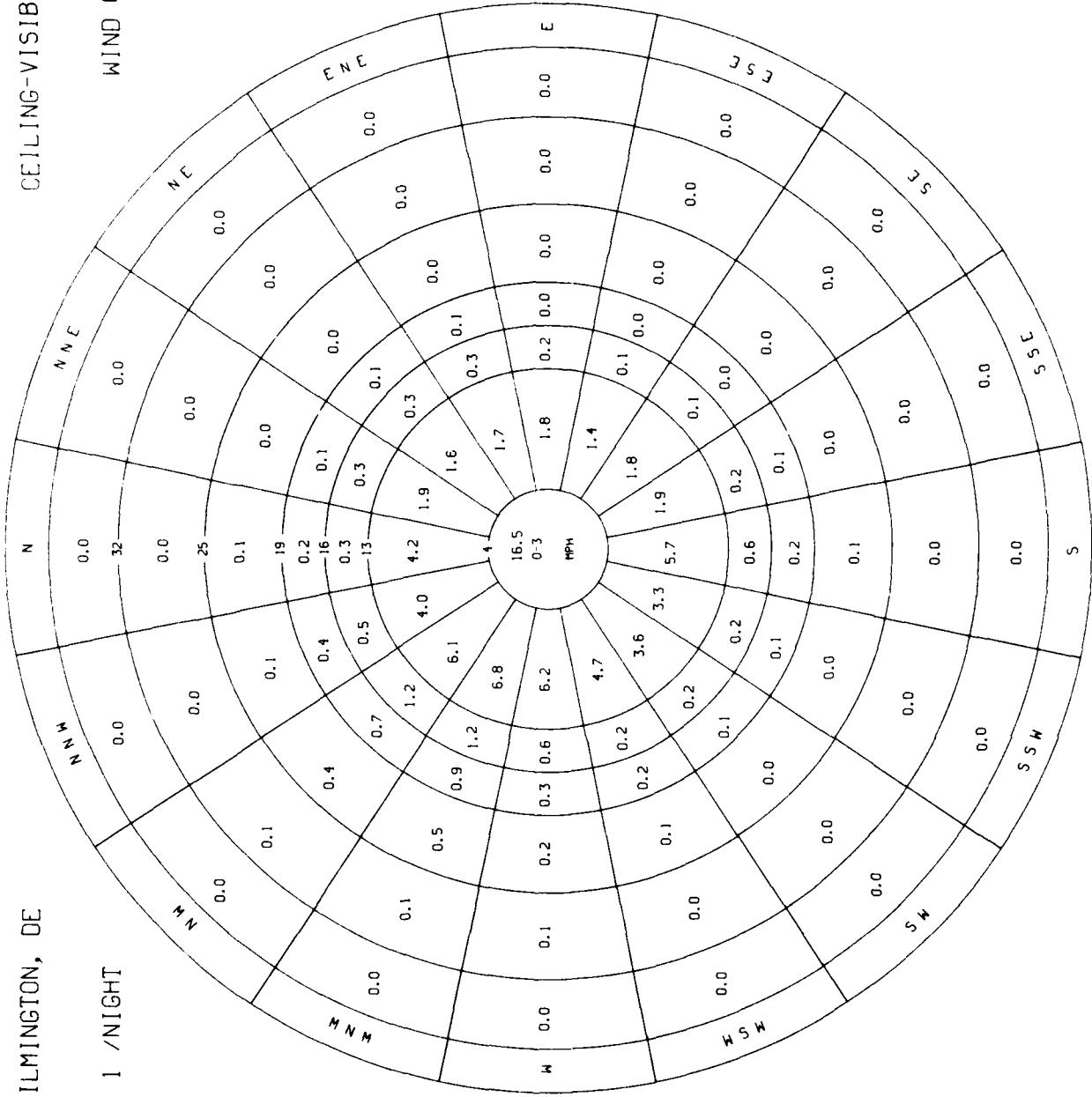
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.4	.5	3.2	3.8	.8	.9	.3	.4	.1	.1	.0	.0	.0	.0	4.8	5.7	9.5
NNE	.2	.2	2.0	2.3	.5	.5	.2	.2	.1	.1	.0	.0	.0	.0	2.8	3.3	9.5
NE	.2	.2	1.6	1.9	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0	2.5	2.9	9.6
ENE	.1	.2	1.8	2.1	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	2.8	3.3	10.6
E	.2	.2	1.8	2.1	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	2.4	2.9	9.2
ESE	.2	.2	1.4	1.6	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	1.8	2.1	8.3
SE	.2	.3	1.9	2.2	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0	2.5	3.0	8.6
SSE	.2	.2	2.8	3.3	.9	1.0	.5	.6	.1	.2	.0	.0	.0	.0	4.6	5.4	10.7
S	.3	.4	5.1	6.0	1.6	1.9	.8	1.0	.2	.2	.0	.0	.0	.0	8.1	9.5	10.6
SSW	.2	.3	2.9	3.4	.7	.9	.3	.3	.1	.2	.0	.0	.0	.0	4.3	5.0	10.1
SW	.3	.4	3.8	4.5	1.1	1.3	.5	.6	.1	.1	.0	.0	.0	.0	5.9	6.9	10.0
WSW	.3	.3	4.4	5.2	1.0	1.2	.4	.5	.1	.1	.0	.0	.0	.0	6.2	7.3	9.8
W	.5	.6	4.3	5.0	1.1	1.3	.7	.9	.4	.5	.1	.1	.0	.0	7.1	8.3	10.5
WNW	.4	.5	5.1	6.0	2.0	2.4	1.7	2.0	1.2	1.4	.3	.4	.1	.1	10.8	12.7	12.6
NW	.5	.6	4.8	5.6	2.1	2.4	1.9	2.2	1.1	1.3	.2	.3	.0	.0	10.6	12.5	12.7
NNW	.4	.4	3.2	3.8	1.0	1.2	.8	.9	.4	.5	.1	.1	.0	.0	5.9	6.9	11.2
CALM	1.9	2.3													1.9	2.3	
TOTAL	6.5	7.6	50.1	58.9	14.4	17.0	8.9	10.5	4.2	4.9	.8	1.0	.1	.1	85.0	100	10.5

CEILING-VISIBILITY

WIND GRAPH

ILG WILMINGTON, DE

CLASS 1 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ILG WILMINGTON, DE

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 13781

NO. OBS.: 34556

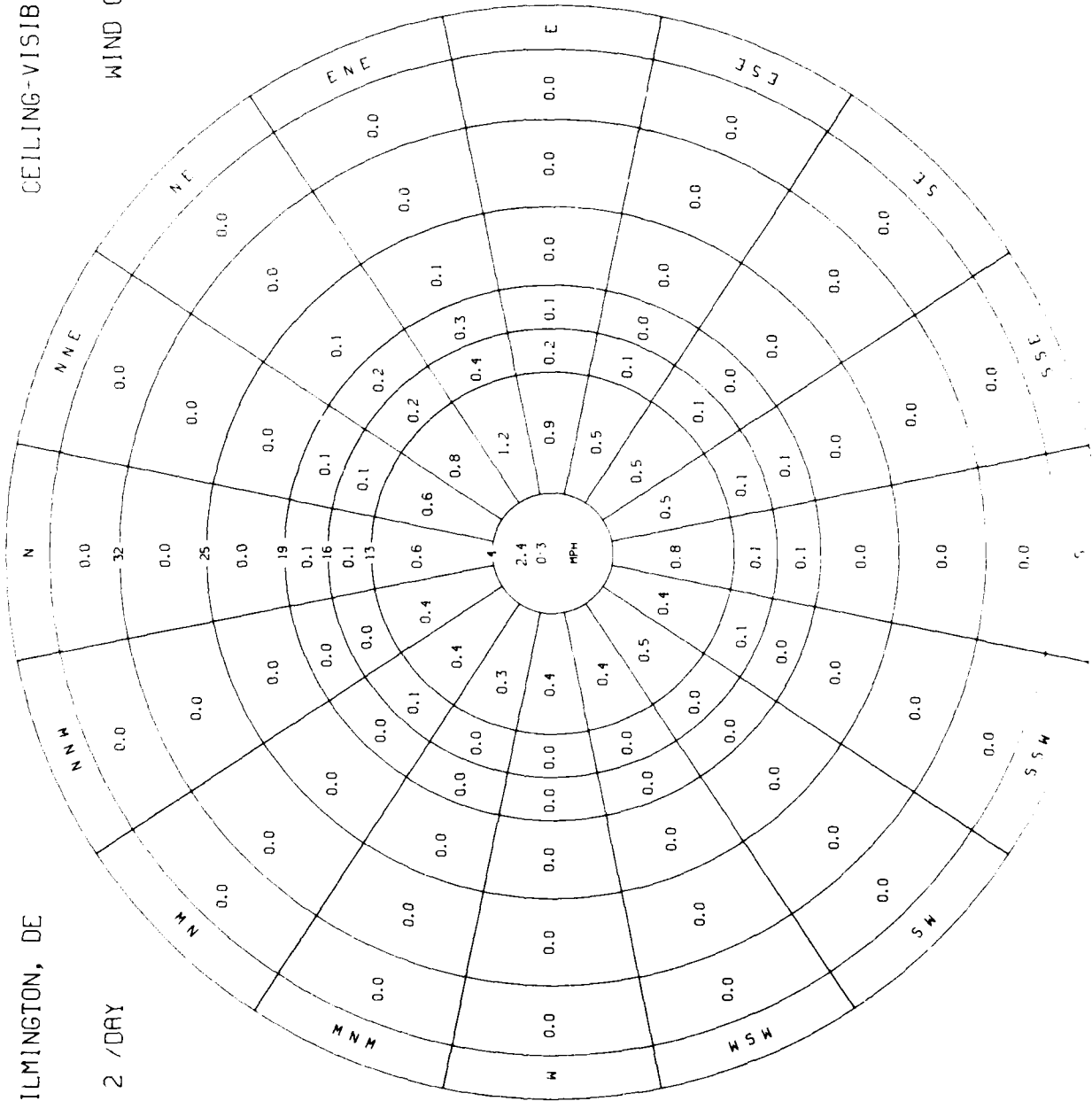
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.9	1.0	4.2	4.9	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	5.6 6.6 7.5
NNE	.3	.3	1.9	2.2	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.6 3.1 8.5
NE	.3	.4	1.6	1.9	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.4 2.8 8.5
ENE	.2	.2	1.7	2.0	.3	.4	.1	.2	.0	.1	.0	.0	.0	.0	2.4 2.9 9.2
E	.3	.4	1.8	2.1	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.3 2.7 7.8
ESE	.2	.3	1.4	1.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7 2.0 7.1
SE	.4	.4	1.8	2.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.3 2.7 6.9
SSE	.3	.3	1.9	2.3	.2	.3	.1	.2	.0	.0	.0	.0	.0	.0	2.6 3.1 8.5
S	.7	.8	5.7	6.7	.6	.7	.2	.3	.1	.1	.0	.0	.0	.0	7.2 8.5 8.1
SSW	.4	.5	3.3	3.9	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.2 4.9 7.6
SW	.6	.8	3.6	4.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.5 5.3 7.1
WSW	.6	.7	4.7	5.5	.2	.3	.2	.2	.1	.1	.0	.0	.0	.0	5.7 6.7 7.4
W	1.3	1.5	6.2	7.2	.6	.7	.3	.3	.2	.2	.1	.1	.0	.0	8.6 10.0 7.8
WNW	1.1	1.2	6.8	7.9	1.2	1.4	.2	1.0	.5	.6	.1	.2	.0	.0	10.5 12.4 9.5
NW	1.6	1.9	6.1	7.2	1.2	1.4	.7	.8	.4	.5	.1	.1	.0	.0	10.1 11.9 8.9
NNW	.9	1.1	4.0	4.7	.5	.6	.4	.4	.1	.1	.0	.0	.0	.0	5.9 7.0 8.0
CALM	6.4	7.5													6.4 7.5
TOTAL	16.5	19.3	56.5	66.3	6.6	7.8	3.6	4.2	1.6	1.9	.4	.4	.0	.1	85.2 100 7.6

CEILING-VISIBILITY

WIND GRAPH

ILG WILMINGTON, DE

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ILG WILMINGTON, DE

PERIOD: 1948-1978

CLASS 2 / DAY

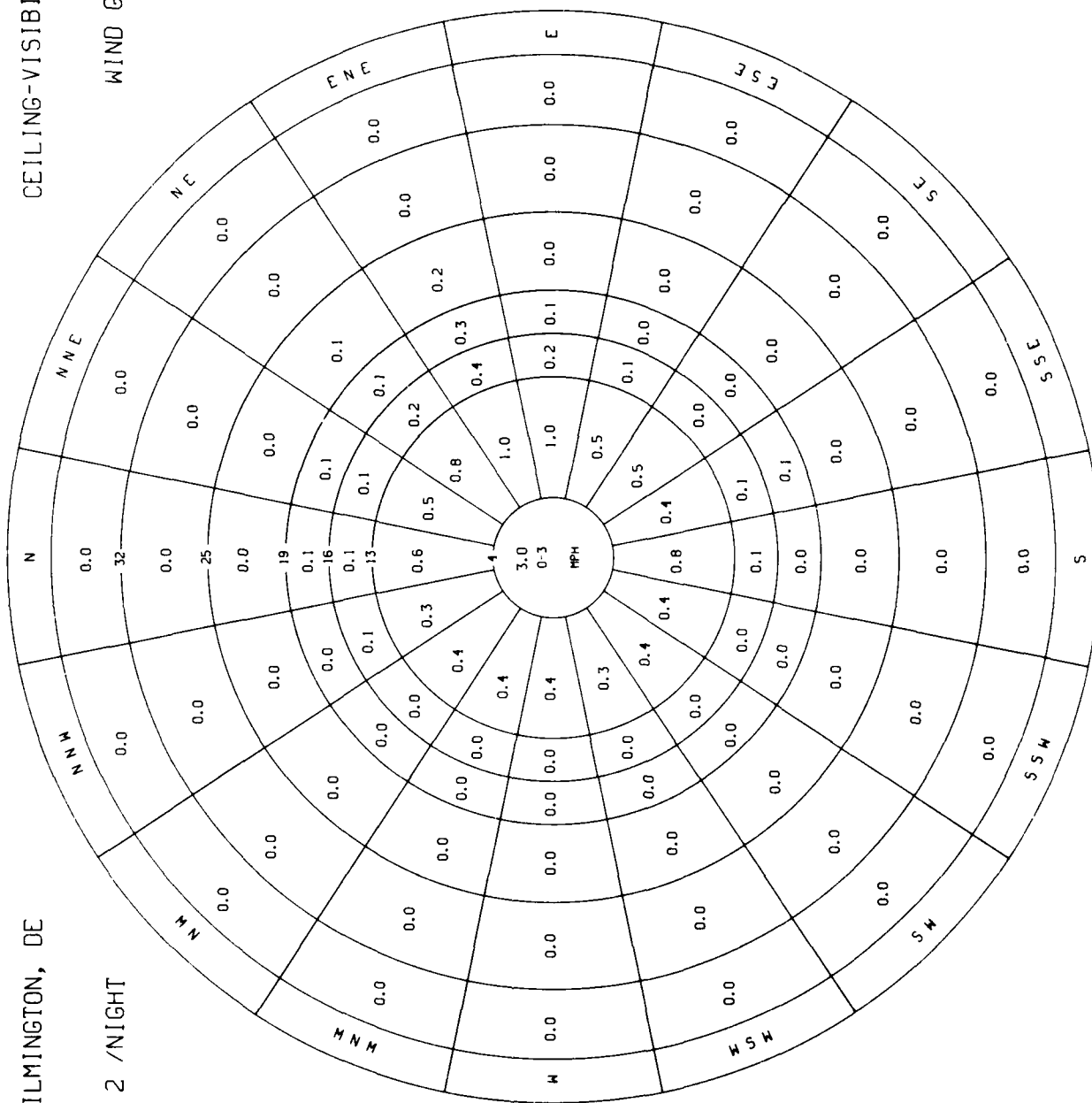
STATION NUMBER: 13721

NO. OBS.: 7489

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.9	.6	3.8	.1	.8	.1	.4	.0	.2	.0	.1	.0	.0	.9	6.1	8.9
NNE	.1	.5	.6	3.7	.1	.9	.1	.4	.0	.2	.0	.1	.0	.0	.9	5.9	9.9
NE	.1	.7	.8	5.4	.2	1.5	.2	1.2	.1	.6	.0	.1	.0	.0	1.4	9.5	11.0
ENE	.1	.6	1.2	8.0	.4	2.9	.3	2.1	.1	.9	.0	.3	.0	.1	2.2	14.8	11.8
E	.1	.8	.9	6.0	.2	1.3	.1	.6	.0	.3	.0	.0	.0	.0	1.4	9.0	9.6
ESE	.1	.5	.5	3.3	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.7	4.6	8.6
SE	.1	.4	.5	3.0	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6	4.2	8.9
SSE	.1	.5	.5	3.2	.1	.8	.1	.4	.0	.2	.0	.1	.0	.0	.8	5.3	10.4
S	.1	.7	.8	5.2	.1	.9	.1	.5	.0	.2	.0	.1	.0	.0	1.1	7.7	9.3
SSW	.1	.4	.4	2.7	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.6	3.9	9.0
SW	.1	.5	.5	3.1	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6	4.1	8.2
WSW	.1	.5	.4	2.6	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.5	3.4	7.4
W	.1	.7	.4	2.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5	3.6	7.4
WNW	.1	.6	.3	1.9	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.5	3.2	8.3
NW	.1	.8	.4	2.6	.1	.4	.0	.3	.0	.1	.0	.1	.0	.0	.6	4.3	8.3
NNW	.1	.6	.4	2.6	.0	.2	.0	.2	.0	.2	.0	.1	.0	.0	.6	4.0	8.7
CALM	1.0	6.5													1.0	6.5	
TOTAL	2.4	16.1	8.9	59.6	1.8	11.9	1.1	7.4	.6	3.7	.2	1.1	.0	.2	15.0	100	9.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ILG WILMINGTON, DE

PERIOD: 1948-1978

CLASS 2 / NIGHT

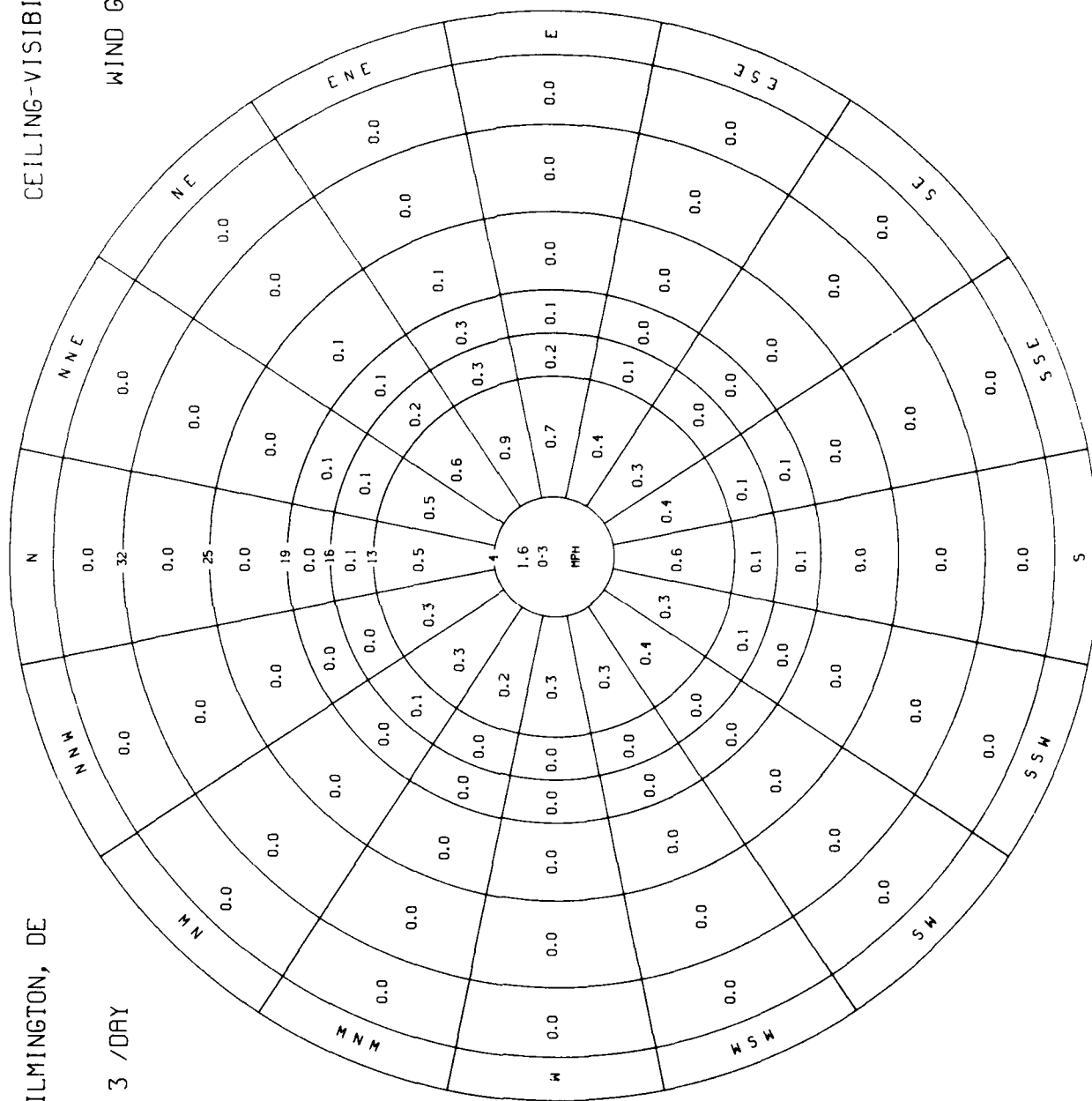
STATION NUMBER: 13781

NO. OBS.: 5992

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.2	1.1	.6	4.3	.1	.5	.1	.4	.0	.1	.0	.0	.0	.0	.9	6.4	8.1
NNE	.0	.3	.5	3.5	.1	.8	.1	.4	.0	.3	.0	.1	.0	.0	.8	5.4	10.3
NE	.1	.9	.8	5.2	.2	1.7	.1	.9	.1	.6	.0	.2	.0	.0	1.4	9.5	10.9
ENE	.1	.5	1.0	6.9	.4	2.4	.3	2.2	.2	1.0	.0	.2	.0	.0	2.0	13.3	12.1
E	.1	1.0	1.0	7.0	.2	1.2	.1	.4	.0	.3	.0	.0	.0	.0	1.5	9.9	8.9
ESE	.1	.5	.5	3.6	.1	.4	.0	.1	.0	.1	.0	.1	.0	.0	.7	4.8	8.5
SE	.1	.6	.5	3.1	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6	4.2	8.0
SSE	.0	.3	.4	2.9	.1	.5	.1	.5	.0	.2	.0	.1	.0	.0	.6	4.3	10.2
S	.1	.8	.8	5.5	.1	.8	.0	.3	.0	.1	.0	.0	.0	.0	1.1	7.5	8.6
SSW	.1	.5	.4	2.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5	3.3	7.6
SW	.1	.6	.4	2.5	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.5	3.5	7.5
WSW	.1	.4	.3	2.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4	2.8	7.4
W	.1	.9	.4	2.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.5	6.2
WNW	.1	.5	.4	2.5	.0	.3	.0	.2	.0	.1	.0	.1	.0	.0	.5	3.6	7.6
NW	.2	1.3	.4	2.4	.0	.3	.0	.3	.0	.1	.0	.1	.0	.0	.7	4.4	7.6
NNW	.1	.9	.3	2.2	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.6	3.7	7.8
CALM	1.4	9.6													1.4	9.6	
TOTAL	3.0	20.4	8.7	58.7	1.5	10.1	.9	6.3	.5	3.5	.1	.9	.0	.1	14.8	100	8.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ILG WILMINGTON, DE

PERIOD: 1948-1978

CLASS 3 / DAY

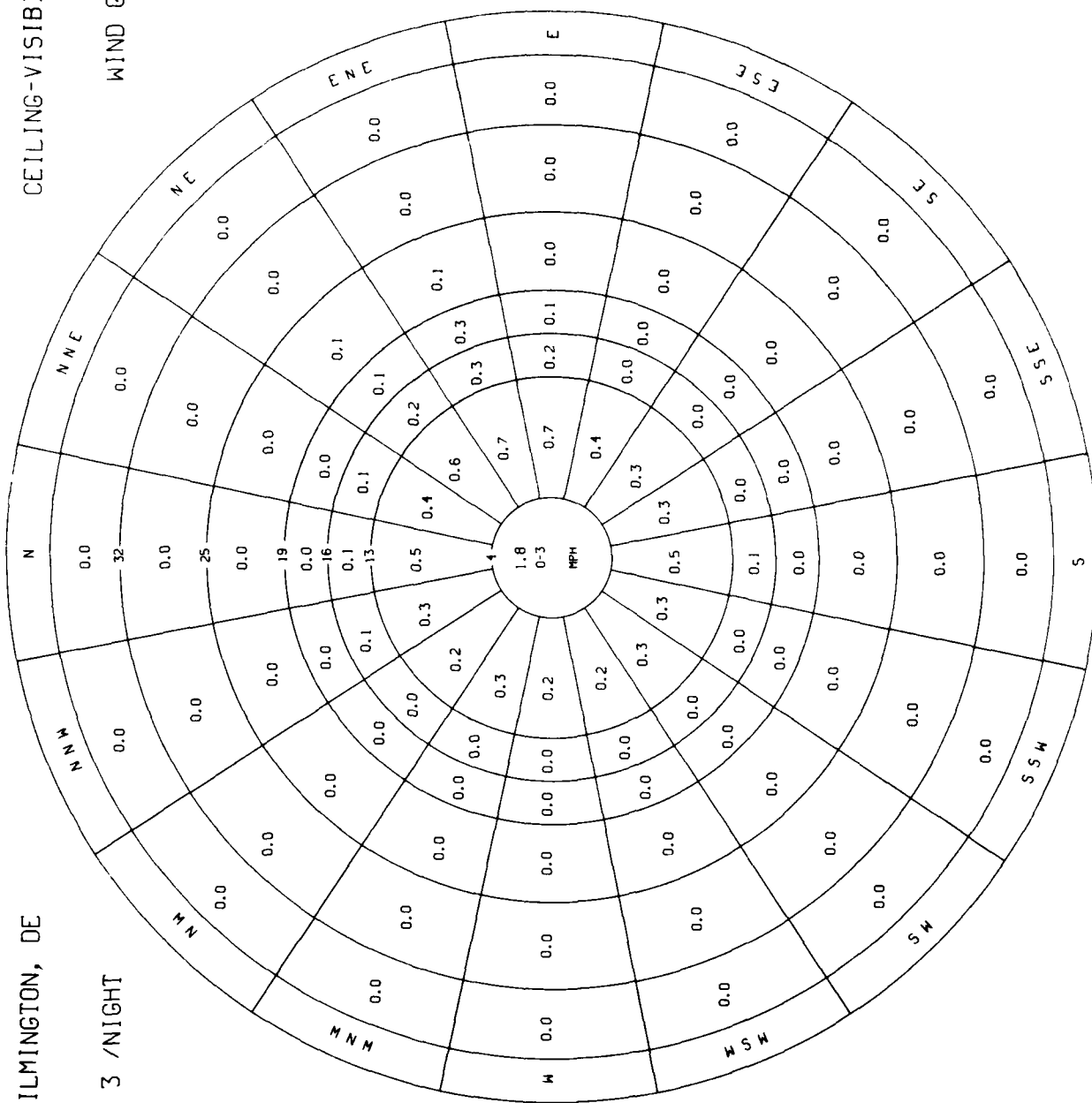
STATION NUMBER: 13781

NO. OBS.: 5780

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.1	.8	.5	4.0	.1	.9	.0	.4	.0	.2	.0	.1	.0	.0	.7	6.3	9.2
NNE	.1	.5	.5	4.1	.1	1.1	.1	.5	.0	.2	.0	.1	.0	.0	.7	6.4	9.9
NE	.1	.6	.6	5.1	.2	1.7	.1	1.3	.1	.7	.0	.2	.0	.1	1.1	9.5	11.5
ENE	.0	.4	.9	7.4	.3	2.9	.3	2.2	.1	.9	.0	.3	.0	.1	1.6	14.2	12.2
E	.1	.7	.7	5.8	.2	1.5	.1	.7	.0	.4	.0	.0	.0	.0	1.1	9.1	10.0
ESE	.1	.5	.4	3.4	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.6	4.8	8.9
SE	.0	.3	.3	2.9	.0	.4	.0	.3	.0	.2	.0	.0	.0	.0	.5	4.1	9.3
SSE	.0	.4	.4	3.0	.1	.8	.1	.4	.0	.2	.0	.1	.0	.0	.6	5.1	10.5
S	.1	.6	.6	5.0	.1	.9	.1	.6	.0	.2	.0	.1	.0	.0	.9	7.4	9.5
SSW	.0	.4	.3	3.0	.1	.6	.0	.4	.0	.1	.0	.0	.0	.0	.5	4.4	9.4
SW	.0	.4	.4	3.4	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.5	4.4	8.5
WSW	.1	.5	.3	2.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.3	7.4
W	.1	.6	.3	2.8	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4	3.9	7.4
WNW	.1	.7	.2	2.0	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.4	3.4	8.4
NW	.1	.8	.3	2.6	.1	.5	.0	.3	.0	.2	.0	.0	.0	.0	.5	4.4	8.6
NNW	.1	.5	.3	2.7	.0	.3	.0	.2	.0	.2	.0	.0	.0	.0	.5	4.0	8.7
CALM	.6	5.4													.6	5.4	
TOTAL	1.6	14.0	6.9	59.8	1.5	12.9	1.0	8.3	.4	3.8	.1	1.0	.0	.2	11.6	100	9.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ILG WILMINGTON, DE

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 13781

NO. OBS.: 4303

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.0	.5	4.8	.1	.7	.0	.5	.0	.1	.0	.0	.0	.0	.7 7.1 8.6
NNE	.0	.3	.4	3.9	.1	1.0	.0	.4	.0	.4	.0	.1	.0	.0	.7 6.1 10.6
NE	.1	.7	.6	5.2	.2	1.9	.1	1.1	.1	.7	.0	.3	.0	.0	1.1 10.0 11.6
ENE	.0	.4	.7	6.6	.3	2.6	.3	2.6	.1	1.3	.0	.3	.0	.0	1.5 13.9 12.7
E	.1	1.0	.7	7.0	.2	1.4	.1	.5	.0	.5	.0	.0	.0	.0	1.1 10.5 9.3
ESE	.0	.4	.4	3.9	.0	.5	.0	.2	.0	.1	.0	.1	.0	.0	.5 5.2 9.0
SE	.0	.5	.3	3.1	.0	.3	.0	.3	.0	.2	.0	.0	.0	.0	.5 4.3 8.5
SSE	.0	.2	.3	2.4	.0	.4	.0	.4	.0	.2	.0	.1	.0	.0	.4 3.8 10.4
S	.0	.4	.5	5.0	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.7 6.5 8.6
SSW	.0	.4	.3	2.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.4 8.2
SW	.1	.5	.3	2.4	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.4 7.8
WSW	.0	.3	.2	2.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.7 7.5
W	.1	.6	.2	2.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3 3.0 6.8
WNW	.0	.4	.3	2.5	.0	.3	.0	.2	.0	.1	.0	.1	.0	.0	.4 3.6 8.2
NW	.1	1.0	.2	2.3	.0	.3	.0	.4	.0	.1	.0	.1	.0	.0	.5 4.3 7.9
NNW	.1	.8	.3	2.4	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.4 4.0 8.4
CALM	.9	8.2													.9 8.2
TOTAL	1.8	17.2	6.2	58.5	1.2	11.7	.8	7.5	.4	4.0	.1	1.1	.0	.2	10.6 100 8.8

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: ILG WILMINGTON, DE

CLASS 4 / DAY

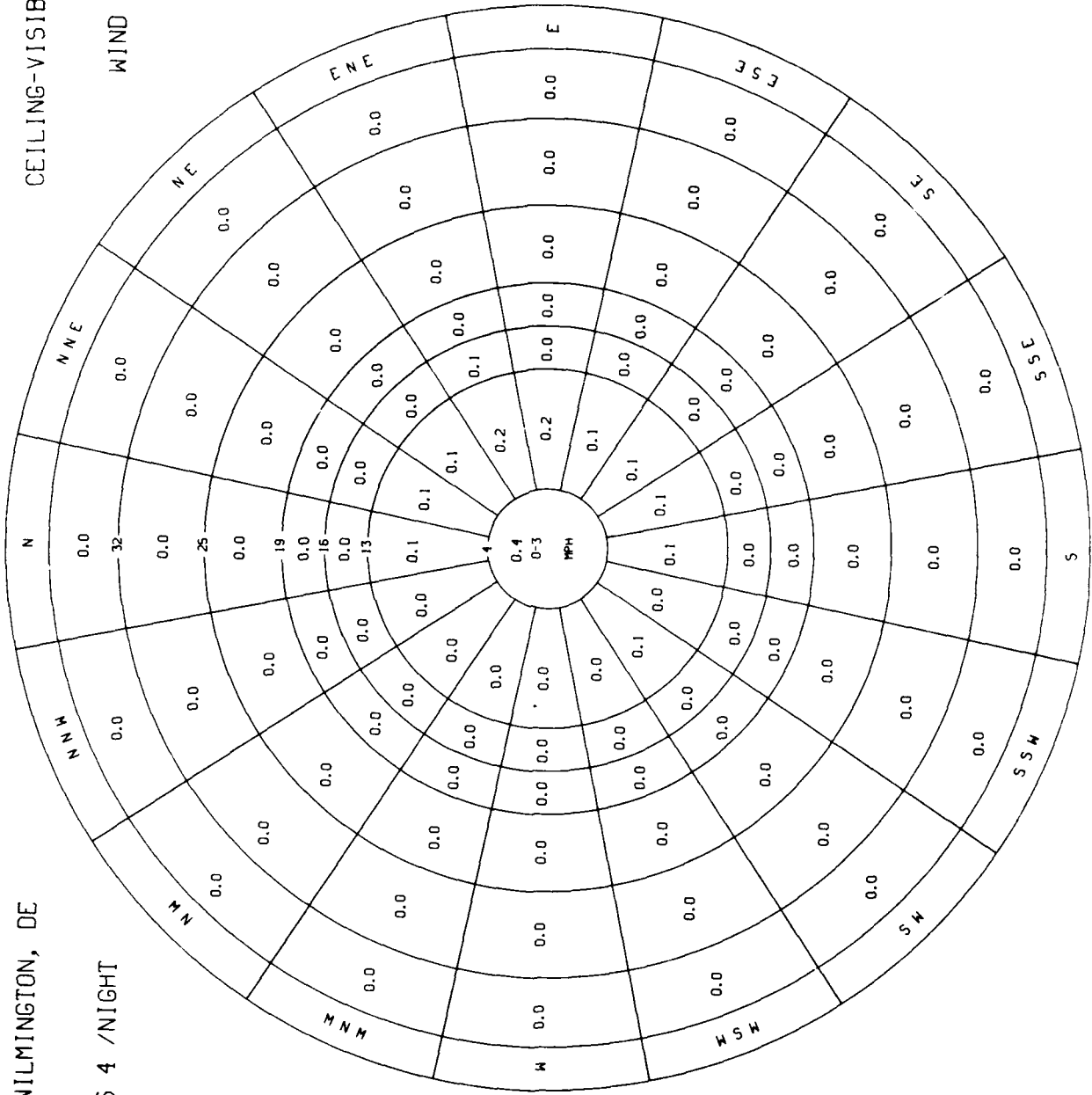
NO. OBS.: 999

STATION NUMBER: 13781

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	.7	.1	2.8	.0	.7	.0	.5	.0	.1	.0	.2	.0	.0	.1	5.0	9.8
NNE	.0	.7	.1	3.4	.0	.6	.0	.3	.0	.1	.0	.0	.0	.0	.1	5.1	9.6
NE	.0	.6	.2	7.7	.0	.9	.0	.9	.0	.6	.0	.1	.0	.0	.2	10.8	9.9
ENE	.0	.8	.2	12.5	.1	4.3	.0	2.3	.0	1.5	.0	.2	.0	.2	.4	21.8	11.4
E	.0	1.6	.2	7.8	.0	1.1	.0	.3	.0	.1	.0	.0	.0	.0	.2	10.9	9.1
ESE	.0	.6	.1	3.0	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.1	4.1	7.5
SE	.0	.6	.1	2.7	.0	.2	.0	.1	.0	.1	.0	.1	.0	.0	.1	3.8	6.5
SSE	.0	.4	.1	3.2	.0	.7	.0	.6	.0	.3	.0	.2	.0	.0	.1	5.4	11.1
S	.0	.7	.1	5.1	.0	1.0	.0	.6	.0	.2	.0	.1	.0	.0	.2	7.7	9.4
SSW	.0	.3	.0	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.4
SW	.0	.4	.0	1.5	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	2.4	8.8
WSW	.0	.2	.1	2.6	.0	.2	.0	.1	.0	.2	.0	.0	.0	.0	.1	3.3	8.4
W	.0	.7	.0	1.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.1	.0	2.5	5.0
WNW	.0	.4	.0	1.2	.0	.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	2.1	8.7
NW	.0	.6	.0	2.3	.0	.2	.0	.2	.0	.0	.0	.1	.0	.0	.1	3.4	7.6
NNW	.0	.8	.0	2.0	.0	.1	.0	.2	.0	.1	.0	.3	.0	.1	.1	3.6	9.7
CALM	.1	6.3													.1	6.3	
TOTAL	.3	16.4	1.2	60.6	.2	10.9	.1	6.6	.1	3.8	.0	1.3	.0	.4	2.0	100	8.9

CEILING-VISIBILITY
WIND GRAPH

ILG WILMINGTON, DE
CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ILG WILMINGTON, DE

PERIOD: 1948-1978

CLASS 4 / NIGHT

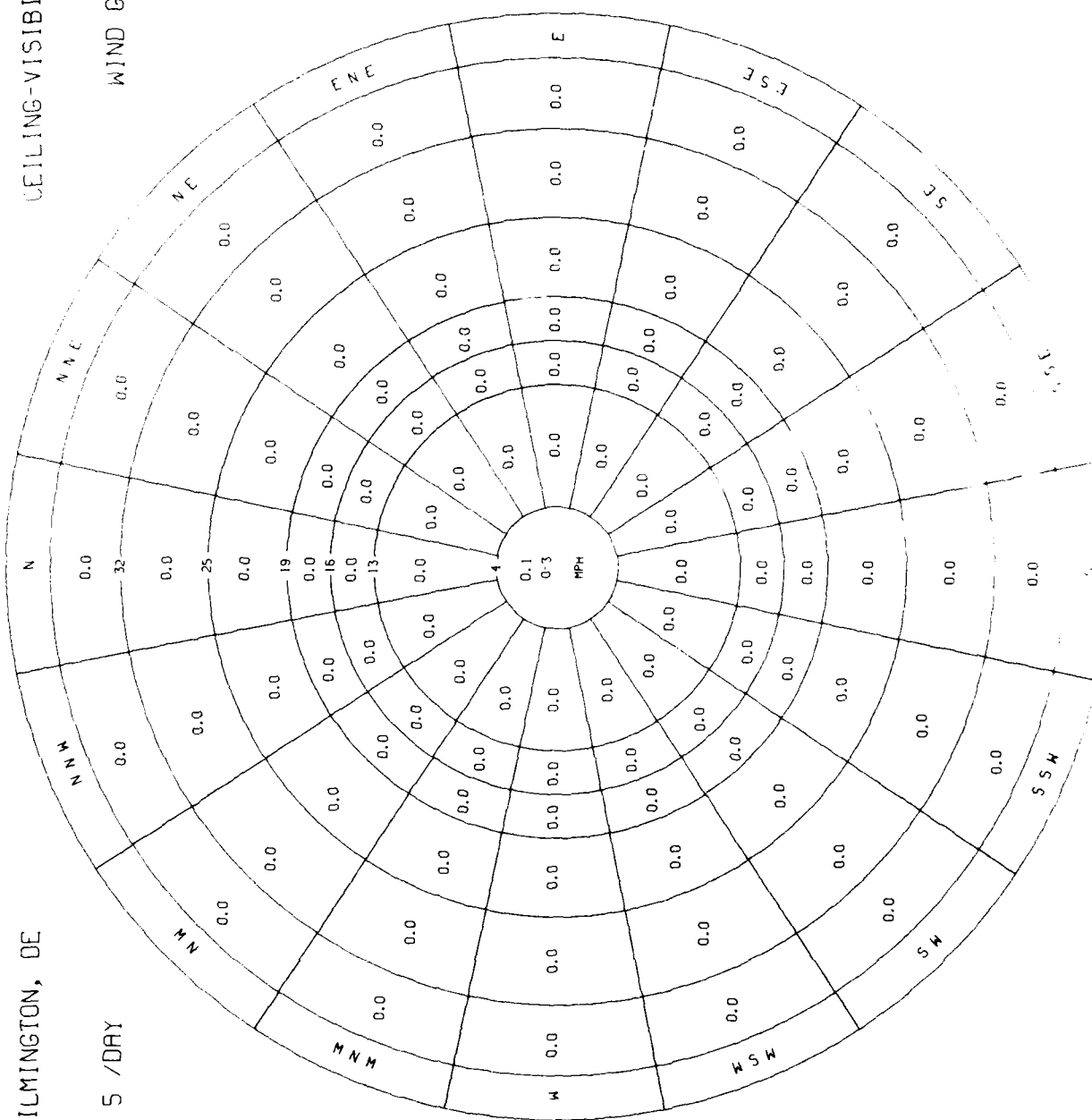
STATION NUMBER: 13781

NO. OBS.: 827

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.1	.1	3.6	.0	.2	.0	.0	.0	.2	.0	.1	.0	.0	.1 5.3
NNE	.0	.0	.1	3.6	.0	.5	.0	.4	.0	.2	.0	.0	.0	.0	.1 4.7
NE	.0	1.7	.1	6.8	.0	1.7	.0	.7	.0	.8	.0	.0	.0	.0	.2 11.7
ENE	.0	.2	.2	9.6	.1	3.4	.0	2.3	.0	.5	.0	.1	.0	.0	.3 16.1
E	.0	.7	.2	7.9	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.2 9.4
ESE	.0	.5	.1	4.4	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.1 5.3
SE	.0	.6	.1	3.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1 3.9
SSE	.0	.4	.1	3.0	.0	.6	.0	.6	.0	.6	.0	.1	.0	.0	.1 5.3
S	.0	1.0	.1	5.2	.0	1.3	.0	.8	.0	.4	.0	.1	.0	.0	.2 8.8
SSW	.0	.6	.0	2.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1 2.9
SW	.0	.4	.1	2.9	.0	.2	.0	.0	.0	.1	.0	.1	.0	.0	.1 3.7
WSW	.0	.4	.0	1.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1 2.7
W	.0	1.3	.0	1.8	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1 3.3
WNW	.0	.4	.0	2.2	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1 2.8
NW	.0	1.3	.0	2.2	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.1 4.0
NNW	.0	1.1	.0	1.5	.0	.1	.0	.0	.0	.1	.0	.1	.0	.0	.1 2.9
CALM	.1	7.1													.1 7.1
TOTAL	.4	18.7	1.3	61.8	.2	9.4	.1	5.4	.1	3.9	.0	.7	.0	.0	2.0 10.0
															8.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: 166 WILMINGTON, DE

PERIOD: 1946-1978

CLASS 5 / DAY

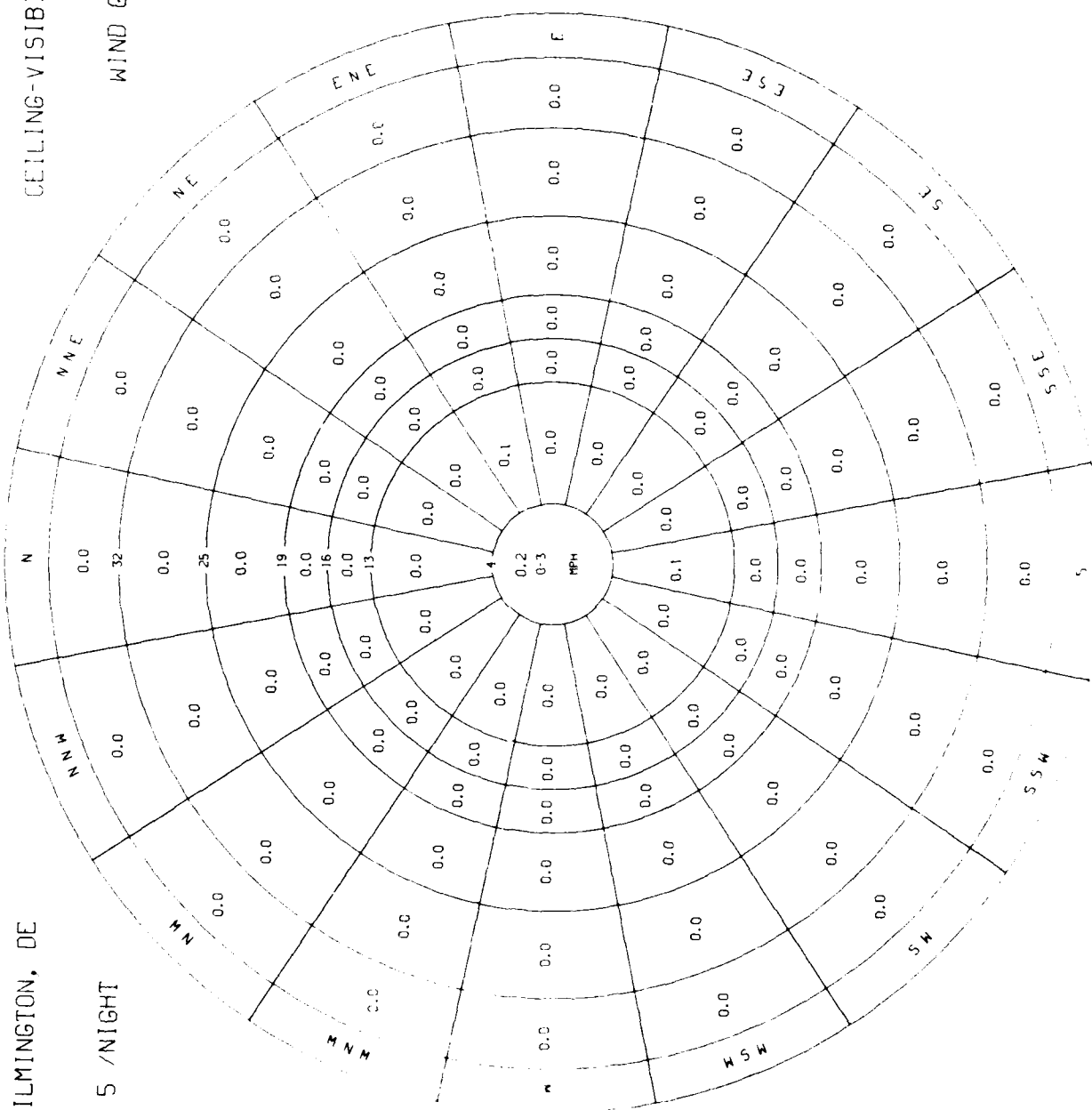
STATION NUMBER: 13781

NO. OBS.: 281

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	3.9	.0	3.9	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.1 9.3
NNE	.0	.4	.0	1.8	.0	.4	.0	.7	.0	1.4	.0	.4	.0	.0	.0 5.0
NNE	.0	2.1	.0	5.0	.0	1.1	.0	1.4	.0	.4	.0	.4	.0	.0	.1 10.3
ENE	.0	1.1	.0	8.5	.0	1.1	.0	1.1	.0	1.1	.0	.4	.0	.0	.1 13.2
E	.0	1.4	.0	5.7	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0 7.5
ESE	.0	.0	.0	3.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.3
SE	.0	1.1	.0	2.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
SSE	.0	1.1	.0	2.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.7
S	.0	.7	.0	8.9	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.4
SSW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
SW	.0	1.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.2
WSW	.0	.4	.0	3.9	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0 4.6
W	.0	.7	.0	2.1	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	.0 3.6
WNW	.0	.4	.0	.7	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0 1.4
NW	.0	1.1	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.4	.0	.4	.0 3.6
NNW	.0	.7	.0	1.4	.0	.4	.0	.4	.0	.7	.0	.0	.0	.0	.0 3.6
CALM	.0	7.5													.0 7.5
TOTAL	1	23.5	3	66.9	0	8.1	0	3.6	0	6.3	0	1.8	0	.4	.6 10.0

CEILING-VISIBILITY
WIND GRAPH

ILG WILMINGTON, DE
CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: 1LG WILMINGTON, DE

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 13781

NO. OBS.: 272

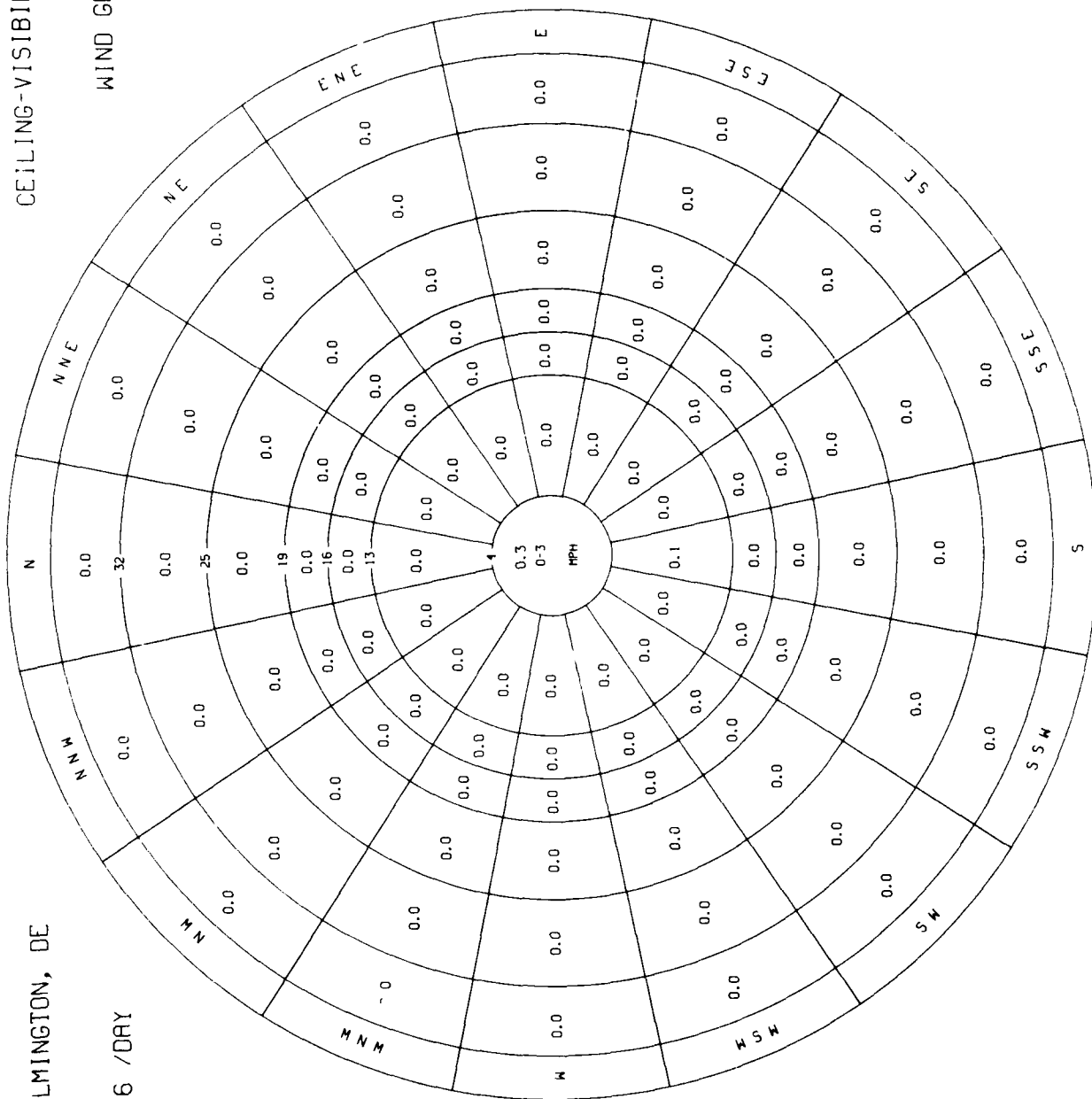
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	2.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.0
NNE	.0	.0	.0	2.2	.0	.4	.0	.7	.0	.4	.0	.0	.0	.0	.0	3.7	11.3
NE	.0	.7	.0	3.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	7.7
ENE	.0	.4	.1	8.8	.0	1.8	.0	.4	.0	.4	.0	.0	.0	.0	.0	11.8	9.0
E	.0	1.5	.0	7.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	7.4
ESE	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.4
SE	.0	.7	.0	4.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	5.5	7.9
SSE	.0	.4	.0	5.1	.0	.7	.0	.4	.0	.4	.0	.0	.0	.0	.0	7.0	9.5
S	.0	1.5	.1	8.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.9	7.6
SSW	.0	.4	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.6
SW	.0	.7	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.7
WSW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.2
W	.0	1.5	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	5.7
WNW	.0	1.1	.0	2.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.6
NW	.0	.7	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.7	.0	.4	.0	4.8	11.0
NNW	.0	1.5	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.5
CALM	.1	14.7													.1	14.7	
TOTAL	.2	28.3	.4	62.1	.0	5.5	.0	1.8	.0	1.1	.0	.7	.0	.4	.7	100	6.5

CEILING-VISIBILITY

WIND GRAPH

ILG WILMINGTON, DE

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ILG WILMINGTON, DE

PERIOD: 1948-1978

CLASS 6 / DAY

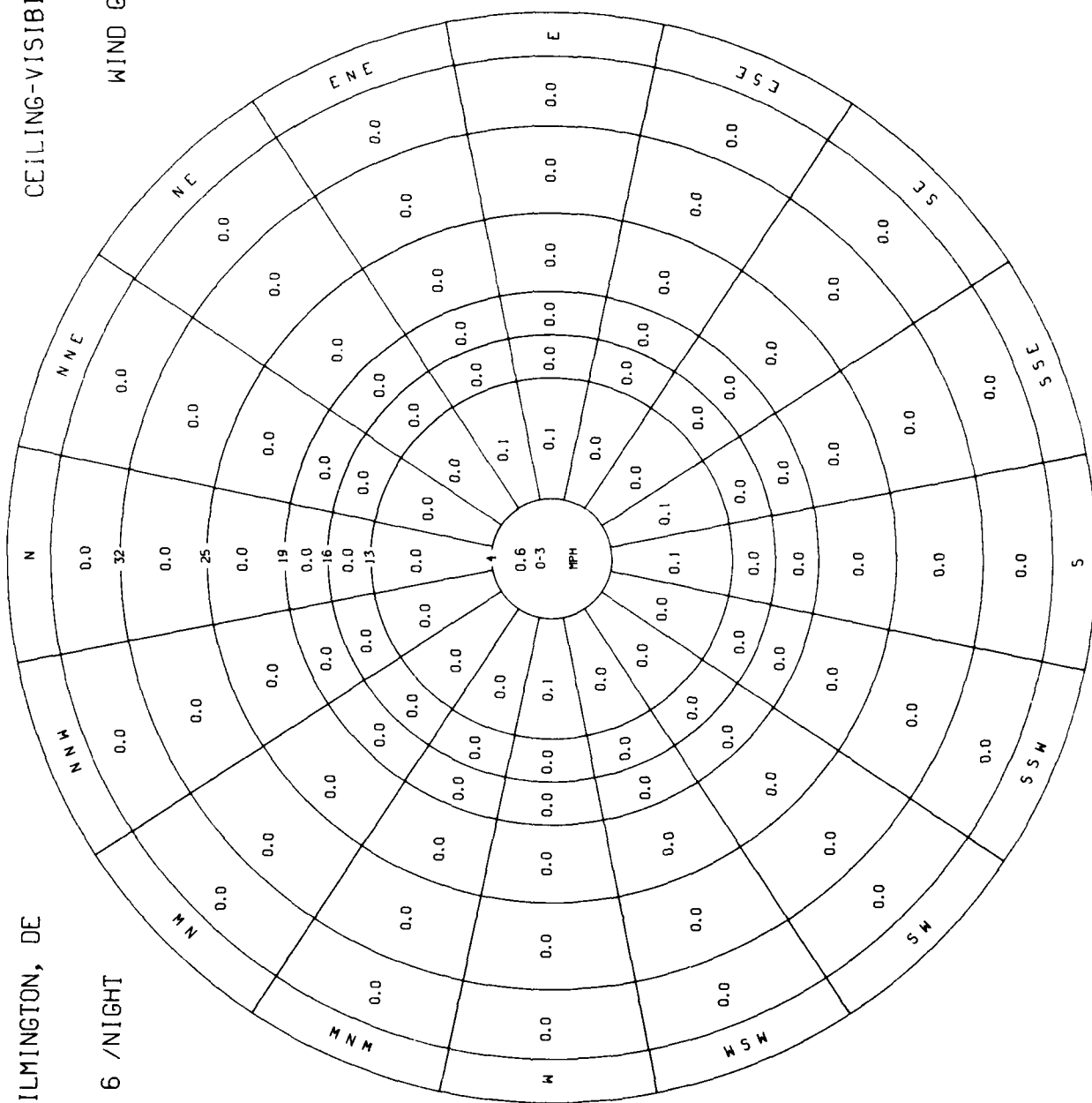
STATION NUMBER: 13781

NO. OBS.: 429

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.6	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.4
NNE	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
NE	.0	.7	.0	5.4	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 6.5
ENE	.0	2.3	.0	4.9	.0	.9	.0	.2	.0	.0	.0	.0	.0	.0	.1 8.4
E	.0	1.2	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.9
ESE	.0	.7	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
SE	.0	.7	.0	5.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.5
SSE	.0	.9	.0	5.4	.0	.7	.0	.0	.0	.2	.0	.0	.0	.0	.1 7.2
S	.0	1.4	.1	6.1	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1 8.4
SSW	.0	.7	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
SW	.0	1.4	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.4
WSW	.0	.2	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.0
W	.0	1.4	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
WNW	.0	.5	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
NW	.0	1.6	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
NNW	.0	1.4	.0	3.3	.0	.0	.0	.2	.0	.5	.0	.0	.0	.0	.0 5.4
CALM	.2	21.0													.2 21.0
TOTAL	.2	38.5	.5	56.2	.0	3.0	.0	.7	.0	.7	.0	.2	.0	.0	.9 100
															5.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: ILG WILMINGTON, DE

CLASS 6 / NIGHT

NO. OBS.: 590

STATION NUMBER: 13781

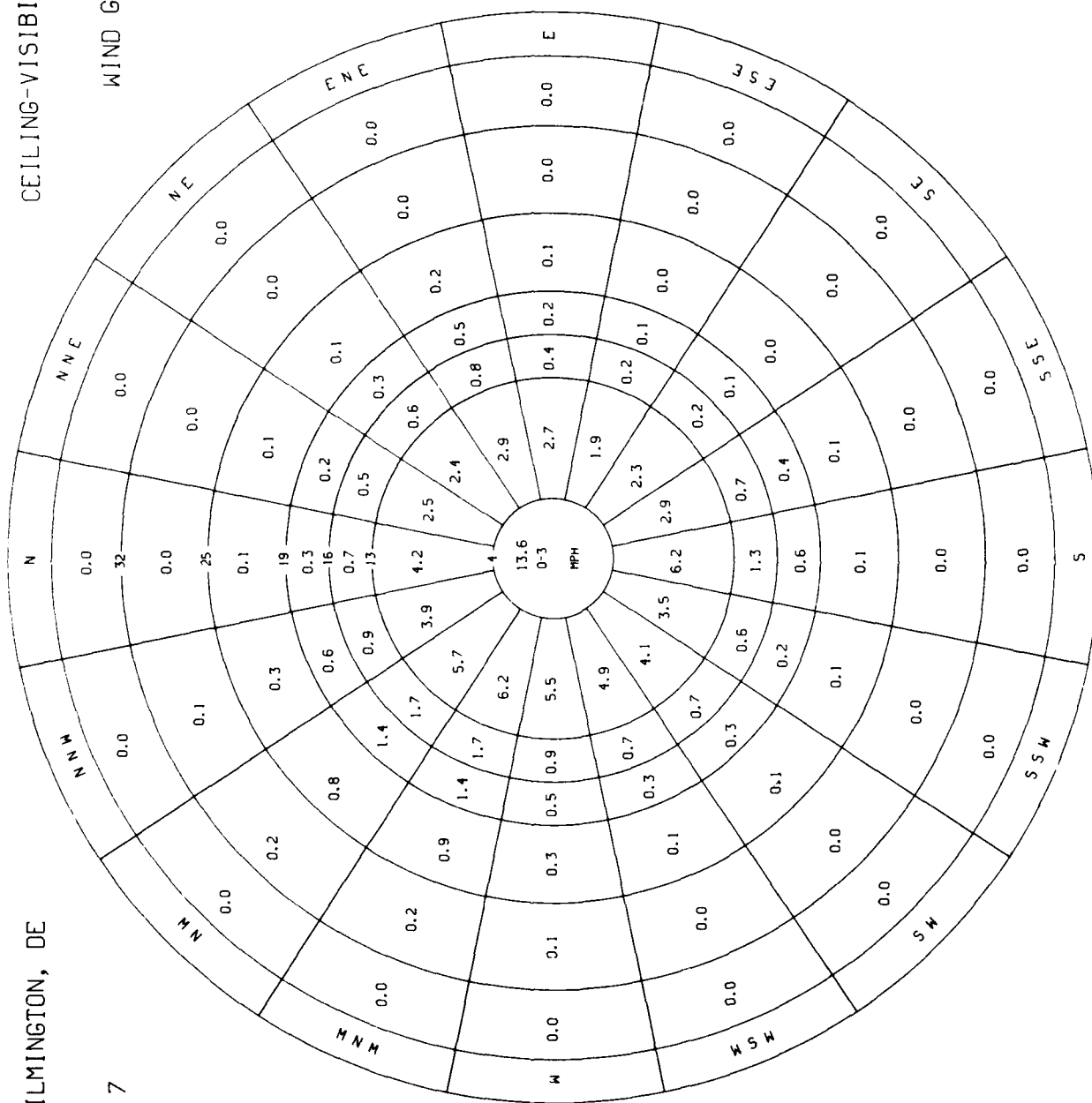
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.0	1.2	.0	3.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	4.6	5.3
NNE	.0	.8	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.9
NE	.0	1.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	6.4
ENE	.0	1.4	.1	4.6	.0	.3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	6.4	7.3
E	.0	1.4	.1	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.1	6.5
ESE	.0	1.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.9
SE	.0	1.2	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.6	5.3
SSE	.0	.5	.1	4.7	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	5.9	8.2
S	.0	2.5	.1	7.8	.0	1.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.2	11.7	7.5
SSW	.0	.8	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	5.1
SW	.0	1.2	.0	2.4	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	3.7	5.8
WSW	.0	1.0	.0	2.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.1	6.3
W	.0	2.7	.1	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.6	5.0
WNW	.0	1.2	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.1	4.7	5.8
NW	.0	2.9	.0	2.9	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	5.9	4.6
NNW	.0	.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.7
CALM	.3	20.7														.3	20.7	
TOTAL	.6	42.4	.8	54.2	.0	1.9	.0	.8	.0	.5	.0	.2	.0	.0	.0	1.5	100	4.9

CEILING-VISIBILITY

WIND GRAPH

ILG WILMINGTON, DE

CLASS 7

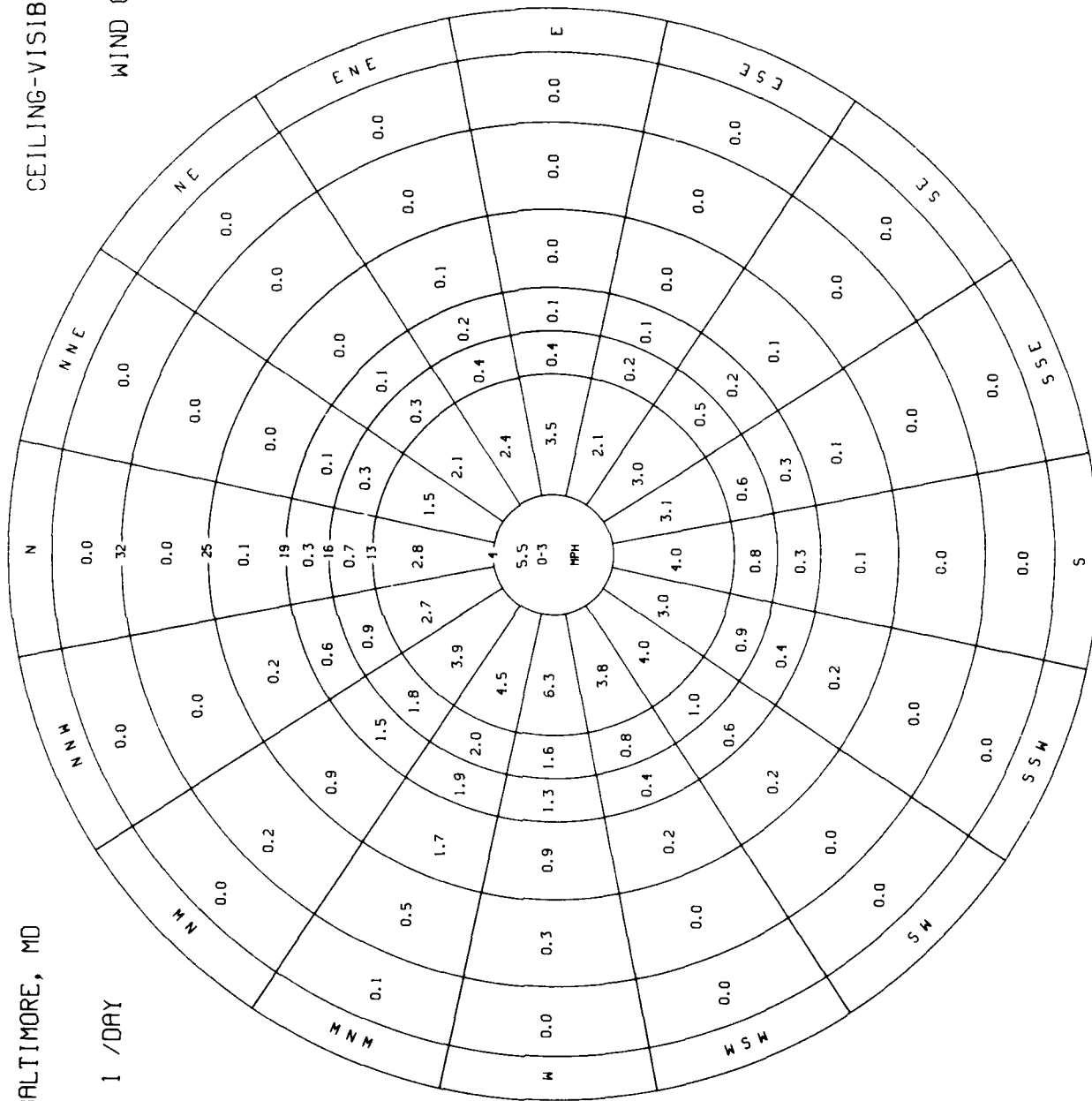


BAL BALTIMORE, MD

CEILING-VISIBILITY

CLASS 1 /DAY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BAL BALTIMORE, MD

PERIOD: 1951-1978

CLASS 1 / DAY

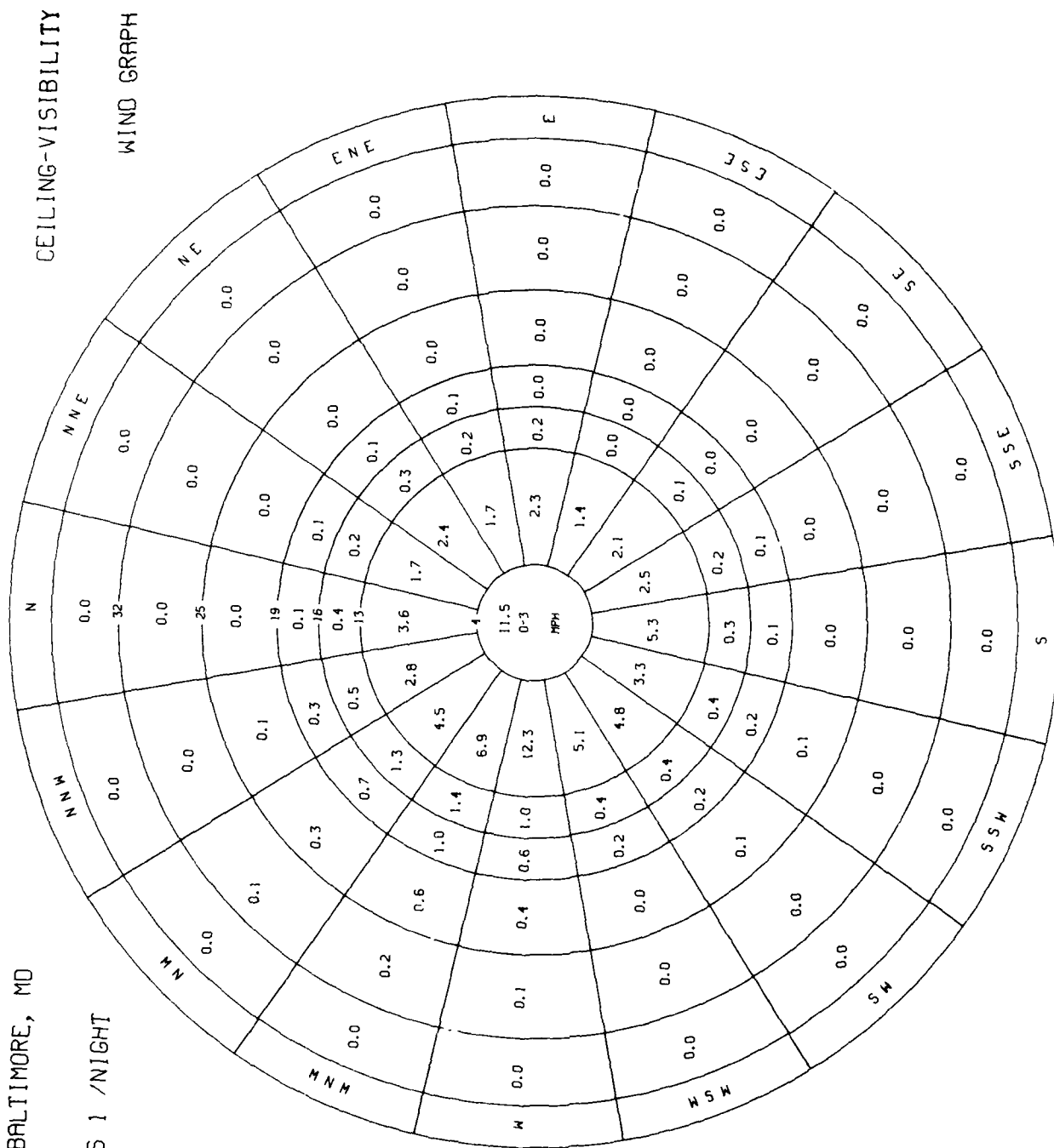
STATION NUMBER: 93721

NO. OBS.: 38924

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.3	.3	2.8	3.3	.7	.8	.3	.4	.1	.1	.0	.0	.0	.0	4.2	4.9	9.9
NNE	.2	.2	1.5	1.7	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.1	2.5	9.5
NE	.2	.2	2.1	2.4	.3	.4	.1	.2	.0	.1	.0	.0	.0	.0	2.8	3.3	9.2
ENE	.1	.2	2.4	2.8	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.2	3.7	9.6
E	.2	.3	3.5	4.0	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	4.3	5.0	8.9
ESE	.2	.2	2.1	2.5	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.6	3.1	8.5
SE	.3	.3	3.0	3.5	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	4.1	4.8	9.4
SSE	.2	.2	3.1	3.6	.6	.7	.3	.4	.1	.1	.0	.0	.0	.0	4.3	5.0	9.9
S	.3	.4	4.0	4.6	.8	1.0	.3	.4	.1	.1	.0	.0	.0	.0	5.6	6.5	9.6
SSW	.2	.2	3.0	3.5	.9	1.1	.4	.5	.2	.3	.0	.1	.0	.0	4.8	5.5	10.8
SW	.2	.3	4.0	4.6	1.0	1.1	.6	.6	.2	.3	.0	.0	.0	.0	6.0	7.0	10.6
WSW	.3	.3	3.8	4.4	.8	.9	.4	.4	.2	.2	.0	.0	.0	.0	5.5	6.4	10.0
W	.4	.5	6.3	7.3	1.6	1.9	1.3	1.5	.9	1.1	.3	.3	.0	.0	10.8	12.6	11.5
WNW	.2	.3	4.5	5.2	2.0	2.4	1.9	2.2	1.7	2.0	.5	.6	.1	.1	10.9	12.7	14.0
NW	.2	.2	3.9	4.5	1.8	2.0	1.5	1.7	.9	1.0	.2	.2	.0	.0	8.4	9.8	13.0
NNW	.2	.2	2.7	3.1	.9	1.1	.6	.7	.2	.3	.0	.0	.0	.0	4.6	5.4	11.4
CALM	1.8	2.0													1.8	2.0	
TOTAL	5.5	6.3	52.6	61.0	13.4	15.6	8.3	9.6	5.1	5.9	1.2	1.4	.1	.1	86.1	100	10.7

BAL BALTIMORE, MD

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BAL BALTIMORE, MD

PERIOD: 1951-1978

CLASS 1 / NIGHT

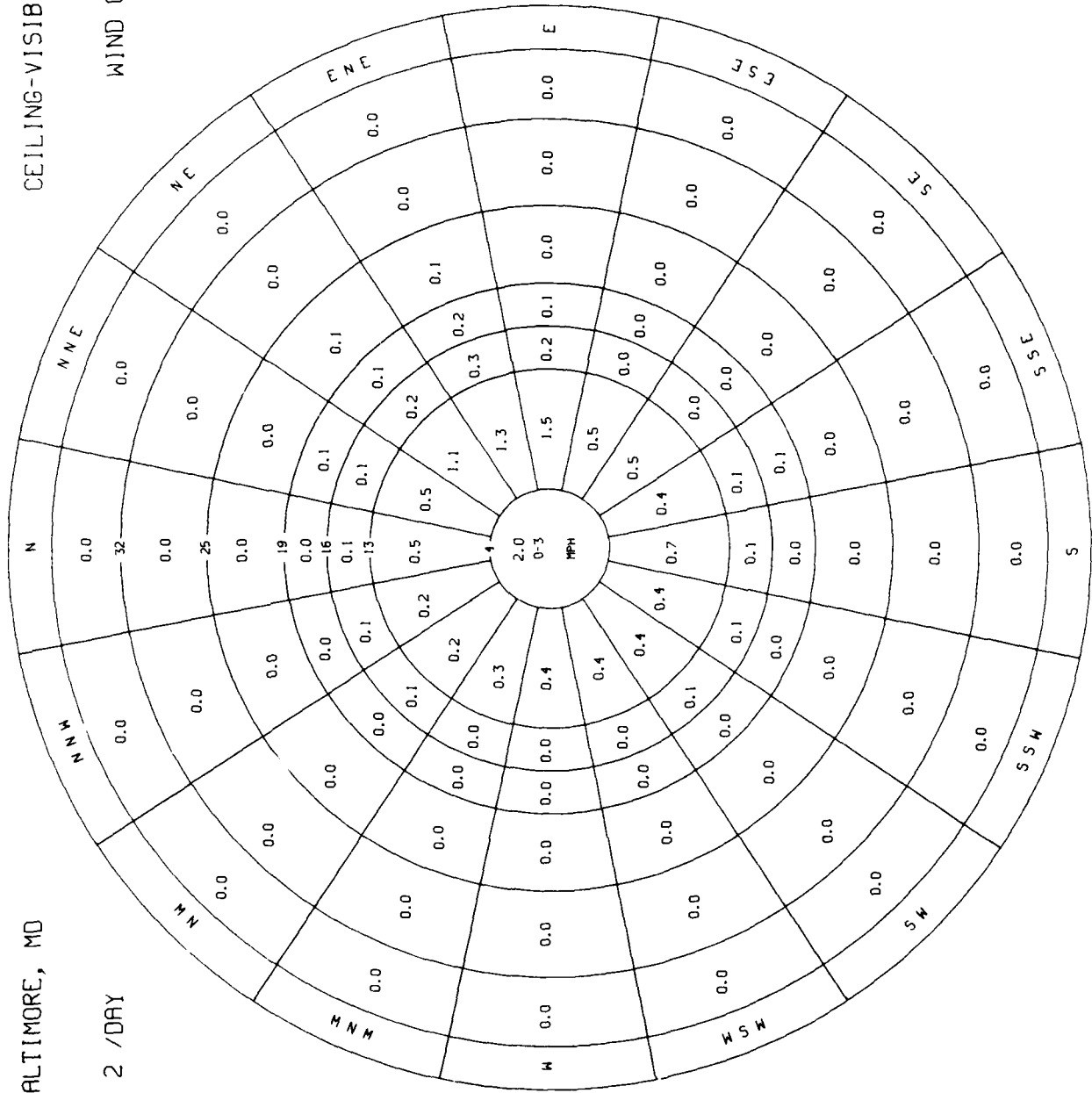
STATION NUMBER: 93721

NO. OBS.: 32147

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.4	.5	3.6	4.1	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	4.6 5.2 8.3
NNE	.3	.3	1.7	1.9	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.3 2.6 8.3
NE	.3	.4	2.4	2.7	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	3.1 3.6 8.5
ENE	.3	.3	1.7	2.0	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.4 2.7 8.4
E	.4	.5	2.3	2.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.9 3.3 7.2
ESE	.3	.3	1.4	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8 2.0 6.8
SE	.4	.4	2.1	2.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6 3.0 7.0
SSE	.3	.4	2.5	2.8	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.2 3.6 7.6
S	.7	.8	5.3	6.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	6.4 7.3 7.4
SSW	.4	.5	3.3	3.8	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.4 5.0 8.4
SW	.6	.6	4.8	5.5	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	6.0 6.9 8.1
WSW	.5	.6	5.1	5.8	.4	.4	.2	.2	.0	.1	.0	.0	.0	.0	6.2 7.1 7.9
W	1.0	1.2	12.3	14.0	1.0	1.1	.6	.7	.4	.4	.1	.1	.0	.0	15.4 17.5 8.2
WNW	.5	.5	6.9	7.9	1.4	1.6	1.0	1.2	.6	.7	.2	.2	.0	.0	10.6 12.1 10.6
NW	.4	.4	4.5	5.2	1.3	1.4	.7	.8	.3	.4	.1	.1	.0	.0	7.3 8.3 10.9
NNW	.2	.3	2.8	3.2	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	4.0 4.6 9.9
CALM	4.5	5.1													4.5 5.1
TOTAL	11.5	13.1	62.7	71.5	7.3	8.3	3.8	4.4	1.9	2.2	.5	.5	.0	.1	87.8 100 8.2

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BAL BALTIMORE, MD

PERIOD: 1951-1978

CLASS 2 / DAY

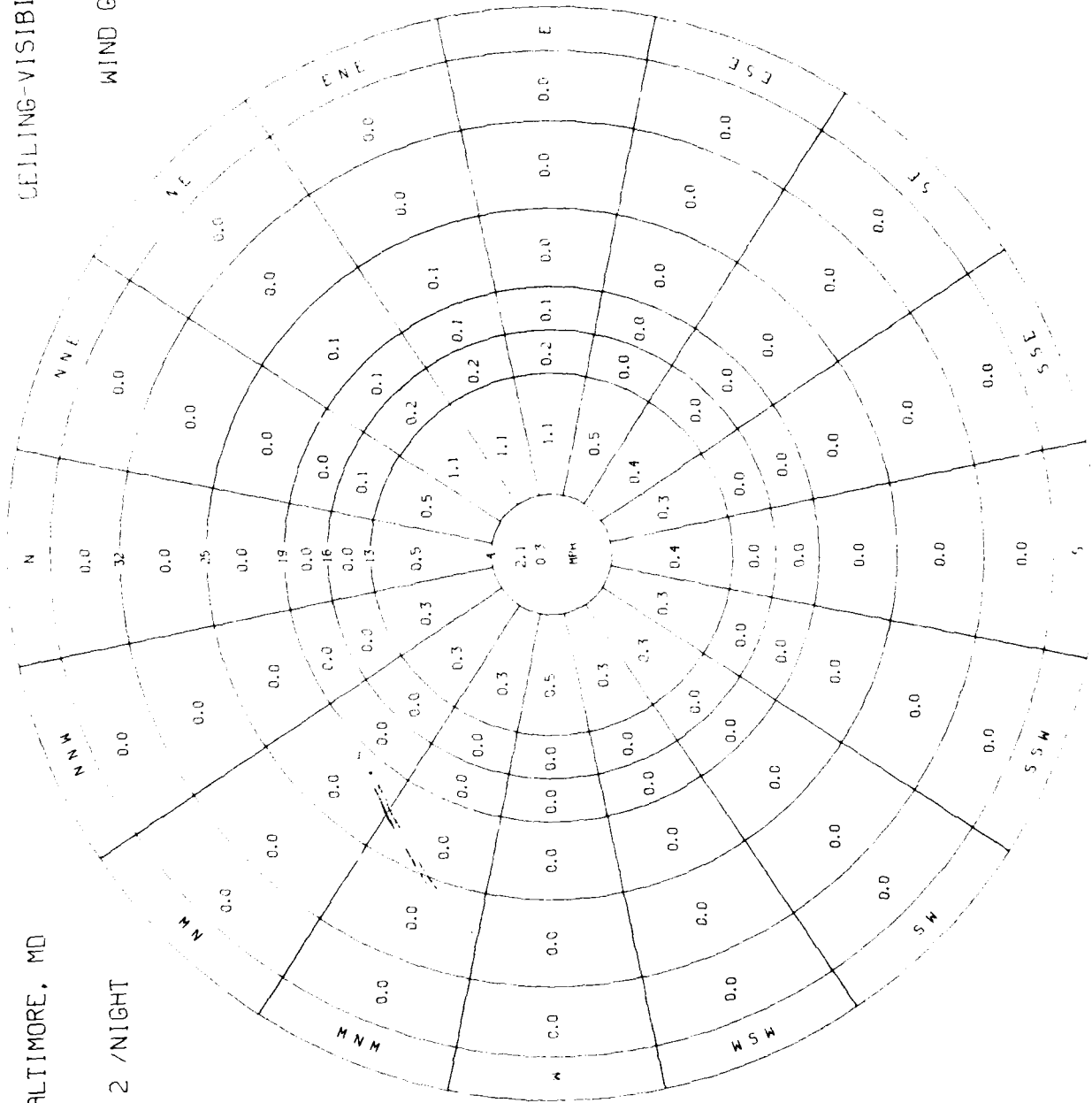
STATION NUMBER: 93721

NO. OBS.: 6262

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.5	.5	3.3	.1	.6	.0	.4	.0	.2	.0	.0	.0	.0	.7 5.0
NNE	.1	.5	.5	3.7	.1	.6	.1	.5	.0	.2	.0	.0	.0	.0	.8 5.5
NE	.1	.8	1.1	7.9	.2	1.5	.1	.8	.1	.5	.0	.1	.0	.0	1.6 11.6
ENE	.1	.7	1.3	9.1	.3	2.0	.2	1.1	.1	.6	.0	.1	.0	.0	1.9 13.6
E	.1	.8	1.5	10.9	.2	1.4	.1	.5	.0	.1	.0	.0	.0	.0	1.9 13.8
ESE	.1	.5	.5	3.7	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.7 4.7
SE	.1	.6	.5	3.5	.0	.3	.0	.2	.0	.2	.0	.0	.0	.0	.7 4.9
SSE	.1	.5	.4	3.0	.1	.4	.1	.4	.0	.1	.0	.0	.0	.0	.6 4.4
S	.1	.7	.7	5.1	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.9 6.6
SSW	.0	.3	.4	2.8	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.8
SW	.1	.4	.4	2.9	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.6 4.0
WSW	.1	.5	.4	2.7	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.6
W	.1	.8	.4	2.9	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.6 4.1
WNW	.1	.4	.3	1.9	.0	.2	.0	.3	.0	.2	.0	.0	.0	.0	.4 3.0
NW	.1	.4	.2	1.8	.1	.4	.0	.3	.0	.2	.0	.0	.0	.0	.4 3.1
NNW	.0	.3	.2	1.7	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.4 2.8
CALM	.8	5.5													.8 5.5
TOTAL	2.0	14.4	9.2	66.7	1.4	9.9	.7	5.4	.4	3.1	.1	.4	.0	.2	13.9 100 8.6

BAL BALTIMORE, MD

CLASS 2 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BALTIMORE, MD

676

STATION NUMBER: 93721

NU.ORG.: 4473

[illegible]

AD-A108 156

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(U)
JUN 81 DOT-FA79WAI-057

JUN 81

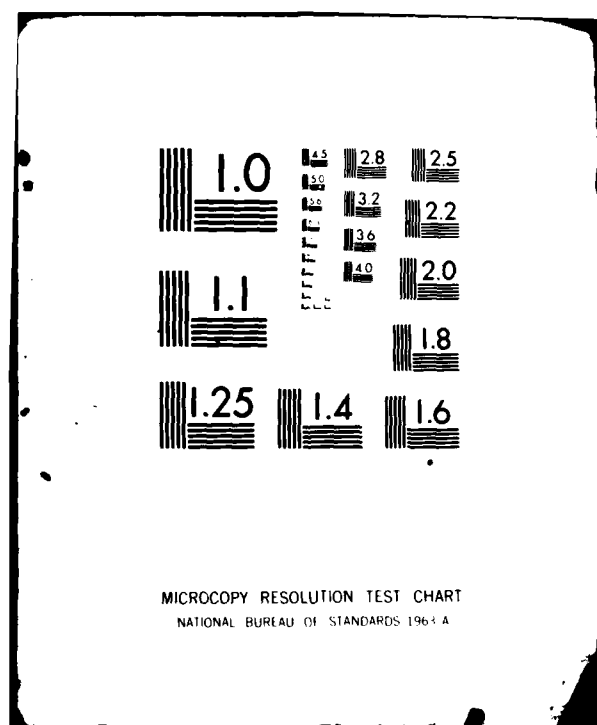
DOT-FA79WAI-057

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2 of 5
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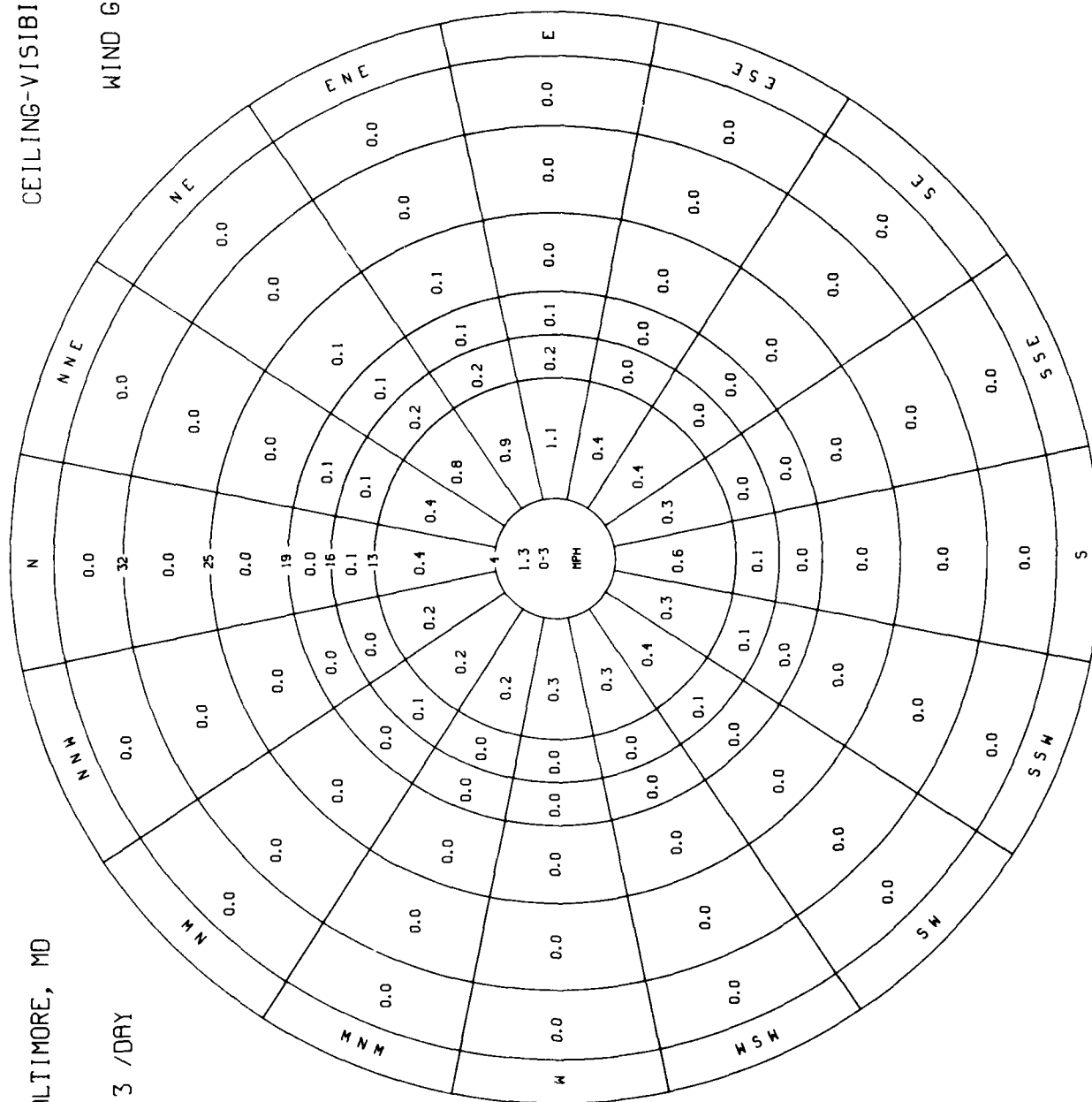


CEILING-VISIBILITY

WIND GRAPH

BAL BALTIMORE, MD

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BAL BALTIMORE, MD

PERIOD: 1951-1978

CLASS 3 / DAY

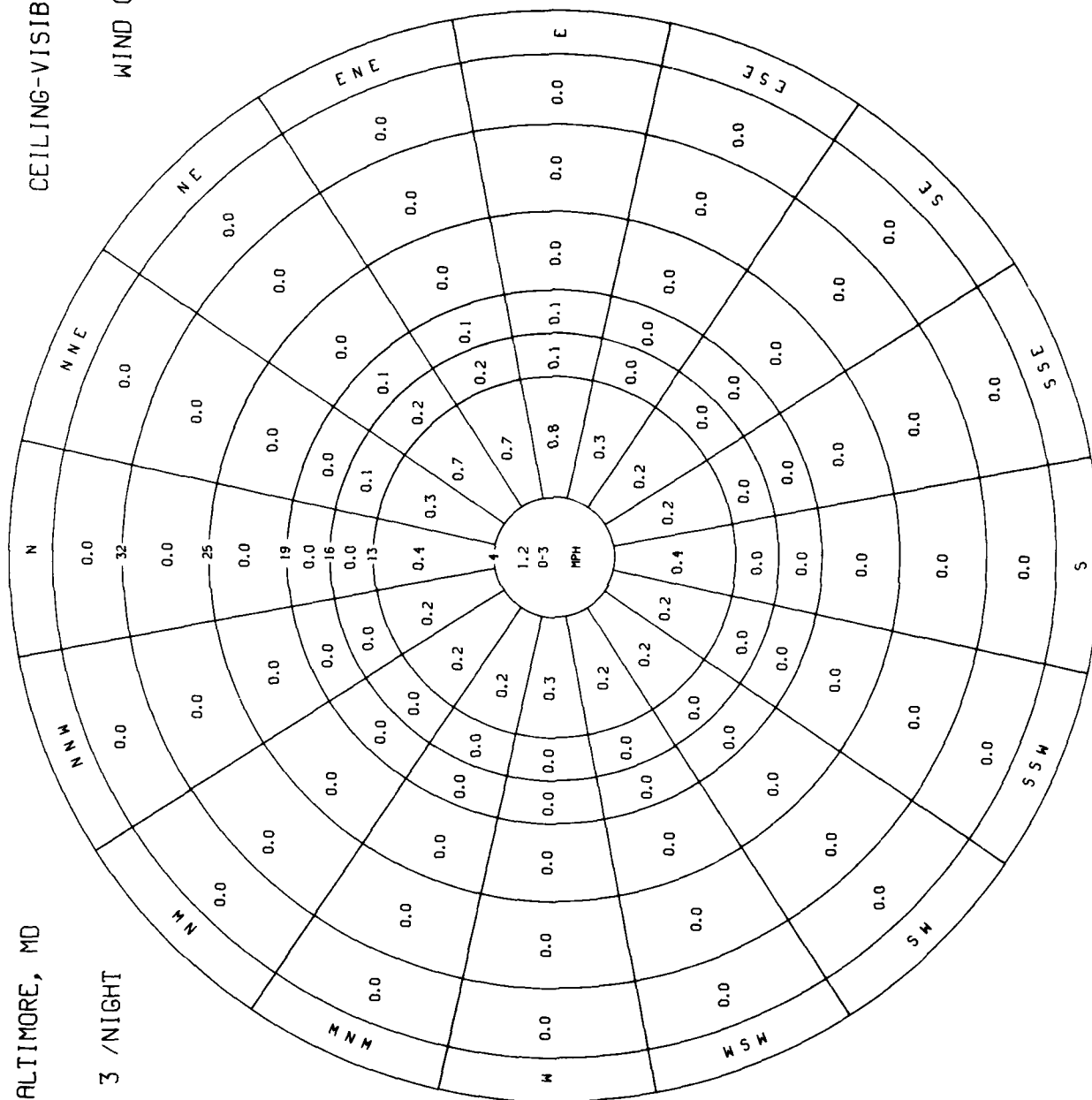
STATION NUMBER: 93721

NO. OBS.: 4890

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.5	.4	3.4	.1	.7	.0	.4	.0	.1	.0	.0	.0	.0	.5 5.0 9.4
NNE	.1	.5	.4	3.9	.1	.7	.1	.5	.0	.2	.0	.0	.0	.0	.6 5.8 9.7
NE	.1	.7	.8	7.8	.2	1.5	.1	.9	.1	.6	.0	.1	.0	.1	1.3 11.7 10.3
ENE	.1	.6	.9	8.0	.2	2.0	.1	1.2	.1	.6	.0	.1	.0	.0	1.4 12.6 10.7
E	.1	.6	1.1	10.4	.2	1.5	.1	.5	.0	.1	.0	.1	.0	.1	1.4 13.2 9.4
ESE	.0	.4	.4	3.6	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.5 4.6 8.3
SE	.1	.5	.4	3.3	.0	.4	.0	.2	.0	.2	.0	.0	.0	.0	.5 4.6 9.3
SSE	.1	.5	.3	3.0	.0	.4	.0	.4	.0	.1	.0	.1	.0	.0	.5 4.6 9.4
S	.1	.7	.6	5.6	.1	.6	.0	.4	.0	.2	.0	.0	.0	.0	.8 7.4 8.6
SSW	.0	.3	.3	3.0	.1	.5	.0	.2	.0	.2	.0	.0	.0	.0	.4 4.1 9.2
SW	.0	.4	.4	3.3	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.5 4.6 8.6
WSW	.1	.5	.3	2.8	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.8 8.3
W	.1	.7	.3	3.1	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.5 4.3 7.5
WNW	.0	.4	.2	2.0	.0	.2	.0	.3	.0	.2	.0	.0	.0	.0	.3 3.2 9.5
NW	.0	.3	.2	1.9	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.3 3.2 9.8
NNW	.0	.2	.2	1.8	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.3 2.9 10.1
CALM	.5	4.4													.5 4.4
TOTAL	1.3	12.3	7.2	66.8	1.2	10.8	.7	6.2	.4	3.3	.1	.5	.0	.2	10.8 100 9.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BAL BALTIMORE, MD

PERIOD: 1951-1978

CLASS 3 / NIGHT

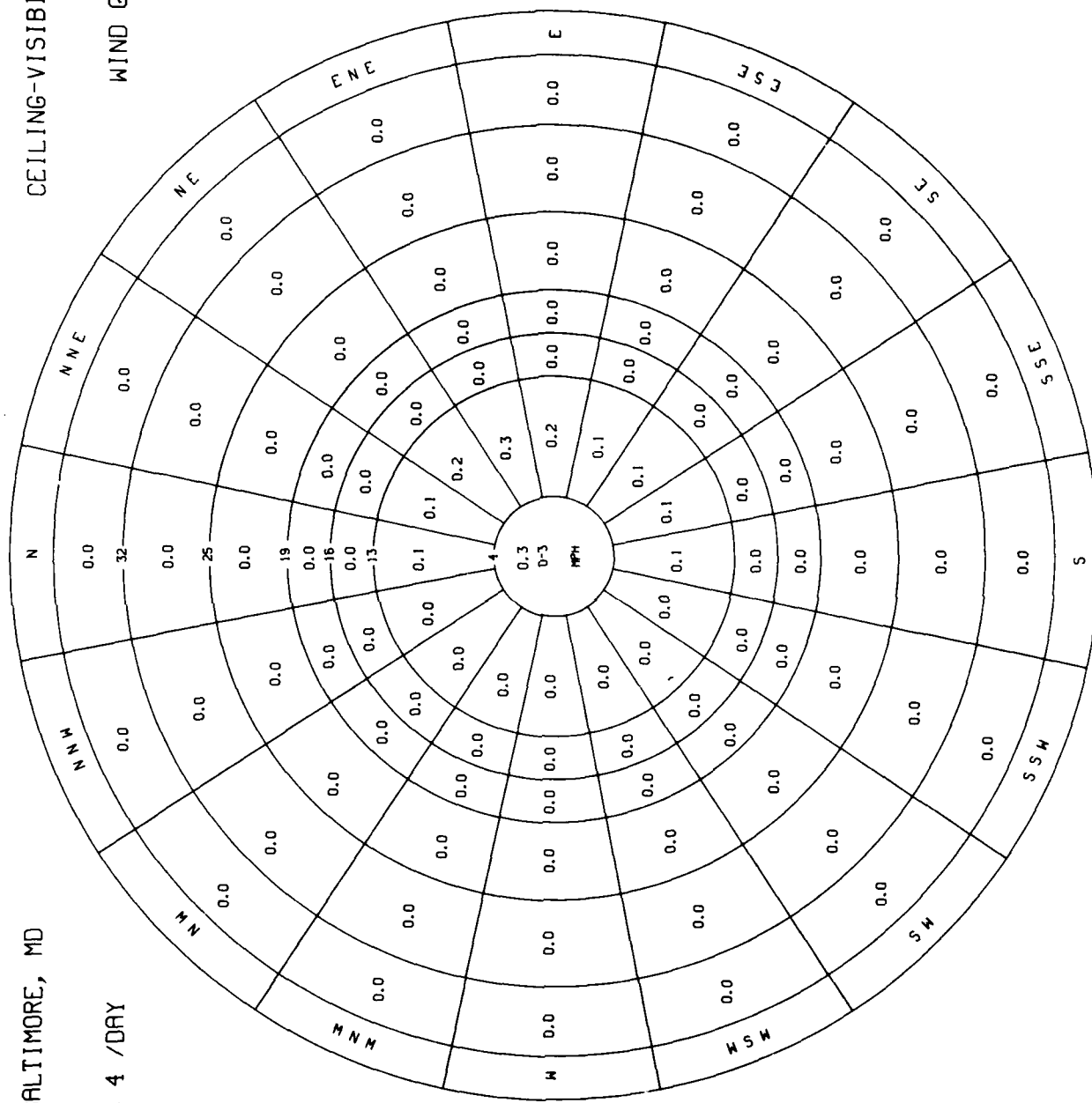
STATION NUMBER: 93721

NO. OBS.: 3145

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.7	.4	4.5	.0	.4	.0	.5	.0	.1	.0	.0	.0	.0	.5	6.3	8.6
NNE	.1	.6	.3	4.1	.1	.6	.0	.5	.0	.2	.0	.0	.0	.0	.5	6.0	9.6
NE	.0	.6	.7	8.6	.2	1.9	.1	1.5	.0	.5	.0	.1	.0	.1	1.1	13.2	10.7
ENE	.0	.5	.7	8.1	.2	1.9	.1	1.4	.0	.5	.0	.2	.0	.0	1.1	12.6	10.7
E	.1	.6	.8	8.9	.1	1.4	.1	.7	.0	.2	.0	.1	.0	.1	1.0	12.1	9.4
ESE	.1	.6	.3	3.6	.0	.5	.0	.1	.0	.1	.0	.0	.0	.0	.4	4.8	8.1
SE	.1	.6	.2	2.5	.0	.3	.0	.2	.0	.1	.0	.1	.0	.1	.3	3.9	8.8
SSE	.0	.4	.2	2.8	.0	.4	.0	.3	.0	.2	.0	.2	.0	.0	.4	4.2	9.7
S	.1	.7	.4	4.1	.0	.4	.0	.1	.0	.1	.0	.1	.0	.0	.5	5.5	7.9
SSW	.0	.4	.2	2.2	.0	.4	.0	.1	.0	.1	.0	.3	.0	.0	.3	3.2	8.4
SW	.0	.4	.2	2.8	.0	.4	.0	.5	.0	.2	.0	.0	.0	.0	.4	4.2	9.3
WSW	.0	.4	.2	2.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.8	7.7
W	.1	.6	.3	3.8	.0	.2	.0	.2	.0	.2	.0	.1	.0	.0	.4	5.1	8.2
WNW	.0	.2	.2	2.6	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.3	3.4	8.9
NW	.0	.3	.2	2.2	.0	.3	.0	.3	.0	.2	.0	.1	.0	.0	.3	3.4	9.7
NNW	.0	.3	.2	2.3	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.3	3.2	9.3
CALM	.5	6.2													.5	6.2	
TOTAL	1.2	14.3	5.6	65.1	.8	9.9	.6	6.8	.2	2.8	.1	.9	.0	.3	8.6	100	88

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BAL BALTIMORE, MD

PERIOD: 1951-1978

CLASS 4 / DAY

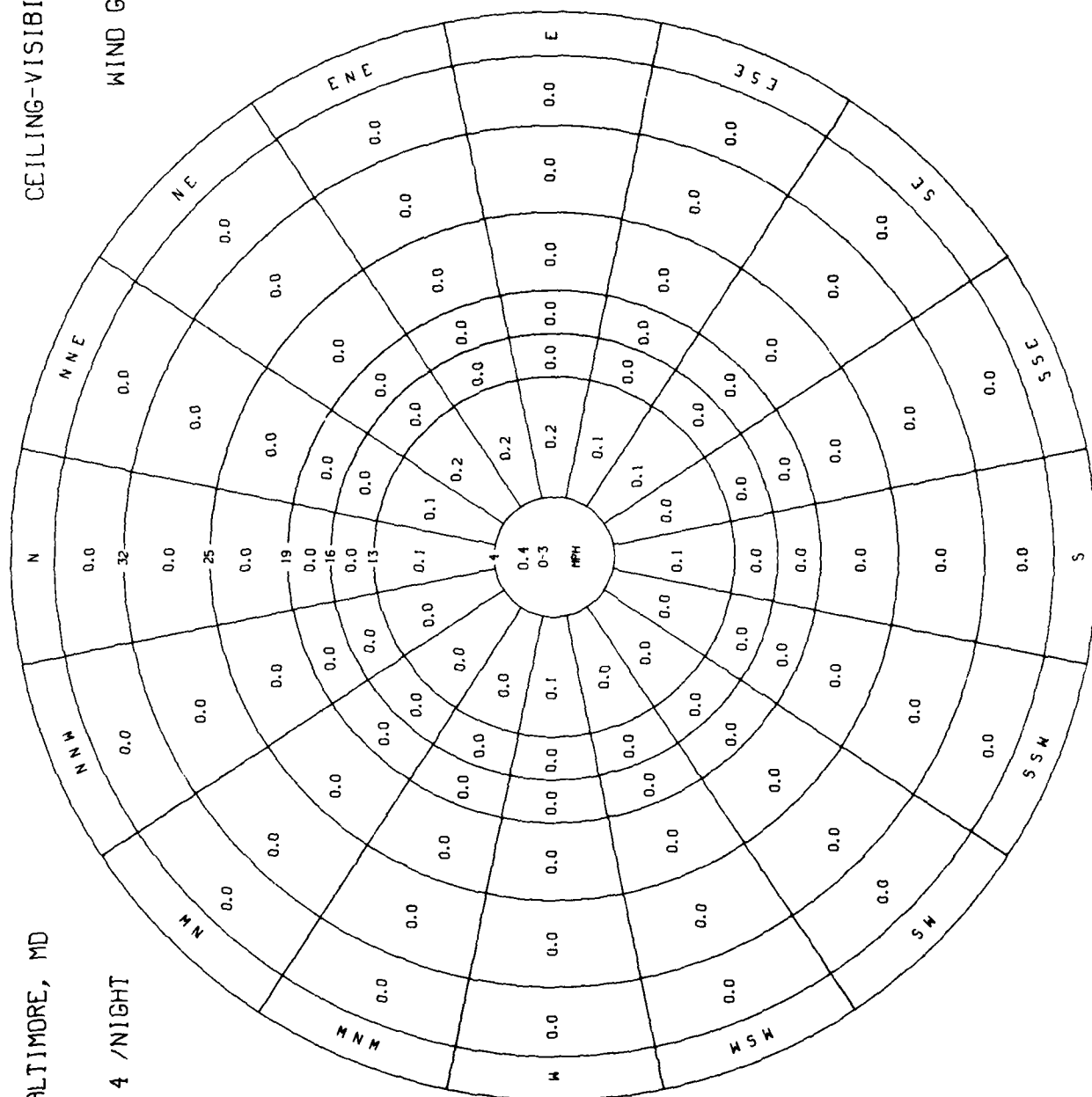
STATION NUMBER: 93721

NO. OBS.: 830

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.6	.1	3.5	.0	.4	.0	.4	.0	.4	.0	.1	.0	.0	.1 5.3
NNE	.0	.6	.1	3.3	.0	.5	.0	.4	.0	.5	.0	.0	.0	.0	.1 5.2
NE	.0	1.3	.2	9.6	.0	2.4	.0	.2	.0	.1	.0	.1	.0	.0	.3 13.9
ENE	.0	1.0	.3	13.7	.0	2.4	.0	.6	.0	1.0	.0	.0	.0	.0	.3 18.7
E	.0	1.3	.2	13.0	.0	1.0	.0	.7	.0	.2	.0	.0	.0	.0	.3 16.3
ESE	.0	1.0	.1	3.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.6
SE	.0	1.2	.1	4.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1 5.4
SSE	.0	.5	.1	2.9	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.1 4.1
S	.0	.5	.1	3.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.3
SSW	.0	.4	.0	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
SW	.0	.2	.0	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
WSW	.0	.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
W	.0	.7	.0	1.7	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0 2.7
WNW	.0	.4	.0	1.1	.0	.0	.0	.2	.0	.1	.0	.1	.0	.0	.0 1.9
NW	.0	.1	.0	1.6	.0	.2	.0	.1	.0	.5	.0	.0	.0	.0	.0 2.5
NNW	.0	.6	.0	1.3	.0	.1	.0	.4	.0	.2	.0	.0	.0	.0	.0 2.7
CALM	.1	6.3													.1 6.3
TOTAL	.3	17.5	1.2	67.5	.1	7.8	.1	3.4	.1	3.3	.0	.5	.0	.1	1.8 100
															8.0

BAL BALTIMORE, MD

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BAL BALTIMORE, MD

PERIOD: 1951-1978

CLASS 4 / NIGHT

STATION NUMBER: 93721

NO. OBS.: 758

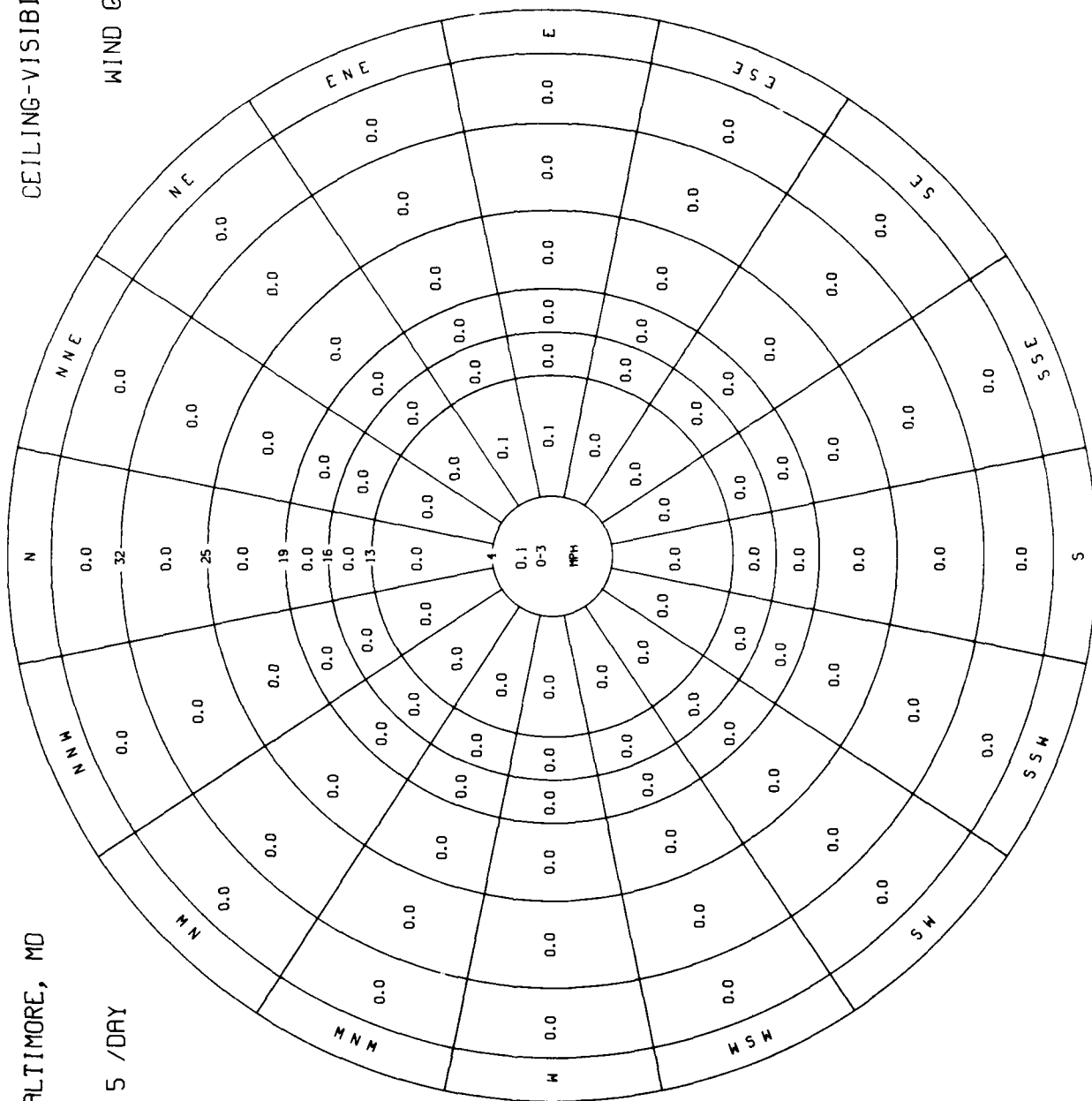
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.7	.1	3.4	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.1	4.7	7.7
NNE	.0	.8	.1	3.4	.0	.1	.0	.1	.0	.5	.0	.0	.0	.0	.0	.1	5.0	8.7
NE	.0	1.5	.2	10.7	.0	2.0	.0	.4	.0	.7	.0	.3	.0	.0	.0	.3	15.4	9.3
ENE	.0	.7	.2	10.2	.0	2.2	.0	.9	.0	1.2	.0	.1	.0	.0	.0	.3	15.3	10.3
E	.0	1.5	.2	10.8	.0	1.3	.0	.5	.0	.1	.0	.0	.0	.0	.0	.3	14.2	8.3
ESE	.0	.8	.1	4.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	5.3	6.9
SE	.0	.7	.1	4.2	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	5.1	7.2
SSE	.0	1.1	.0	2.4	.0	.1	.0	.4	.0	.1	.0	.0	.0	.0	.0	.1	4.1	8.0
S	.0	.7	.1	2.5	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	3.4	7.0
SSW	.0	.7	.0	2.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.2	6.7
SW	.0	.3	.0	1.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	7.2
WSW	.0	.3	.0	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.2
W	.0	.7	.1	4.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	5.4	6.8
WNW	.0	.1	.0	2.2	.0	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.1	2.8	9.1
NW	.0	.1	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	6.7
NNW	.0	.3	.0	1.8	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.1	.1	3.0	10.8
CALM	.2	7.3														.2	7.3	
TOTAL	4.17	8.1	1.4	67.5	.2	7.3	.1	3.3	.1	3.4	.0	.5	.0	.1	.2	1.1	100	7.9

CEILING-VISIBILITY

WIND GRAPH

BAL BALTIMORE, MD

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BAL BALTIMORE, MD

PERIOD: 1951-1978

CLASS 5 / DAY

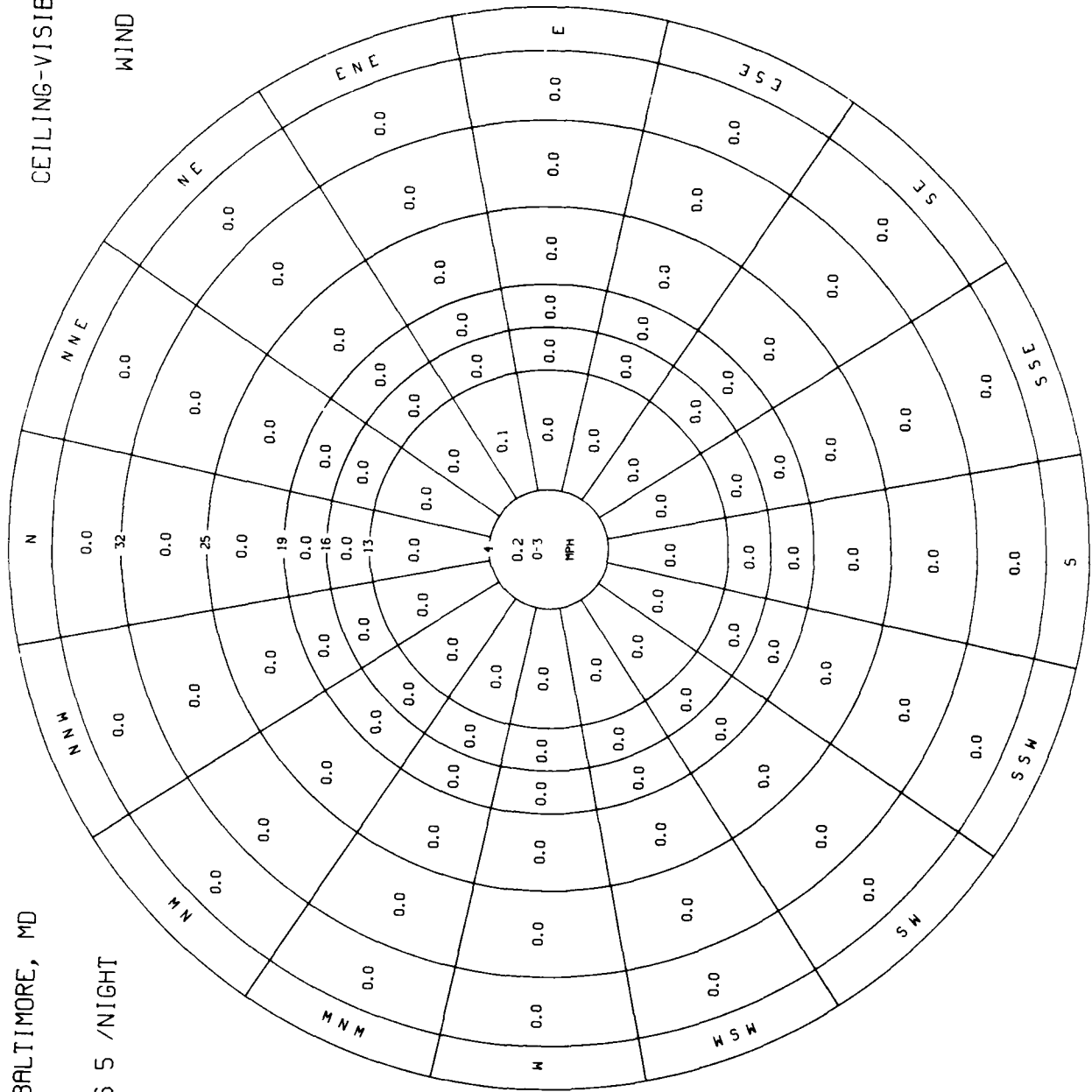
STATION NUMBER: 93721

NO. OBS.: 211

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.5	.0	3.8	.0	.9	.0	.5	.0	.0	.0	.0	.0	.0	.0 5.7
NNE	.0	.0	.0	4.3	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0 4.7
NE	.0	.9	.0	5.7	.0	.9	.0	.5	.0	.5	.0	.0	.0	.0	.0 8.5
ENE	.0	.9	.1	12.8	.0	1.4	.0	.5	.0	.5	.0	.0	.0	.0	.1 16.1
E	.0	2.4	.1	10.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1 14.2
ESE	.0	.5	.0	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.2
SE	.0	.9	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.7
SSE	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
S	.0	1.4	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.2
SSW	.0	.5	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
SW	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
WSW	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
W	.0	1.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.8
WNW	.0	.9	.0	2.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.3
NW	.0	1.4	.0	.5	.0	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0 2.8
NNW	.0	.9	.0	1.4	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0 3.3
CALM	.0	9.0													.0 9.0
TOTAL	.1	23.2	.3	66.8	.0	5.7	.0	2.4	.0	1.4	.0	.5	.0	.0	.5 100
															6.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BAL BALTIMORE, MD

PERIOD: 1951-1978

CLASS 5 / NIGHT

STATION NUMBER: 93721

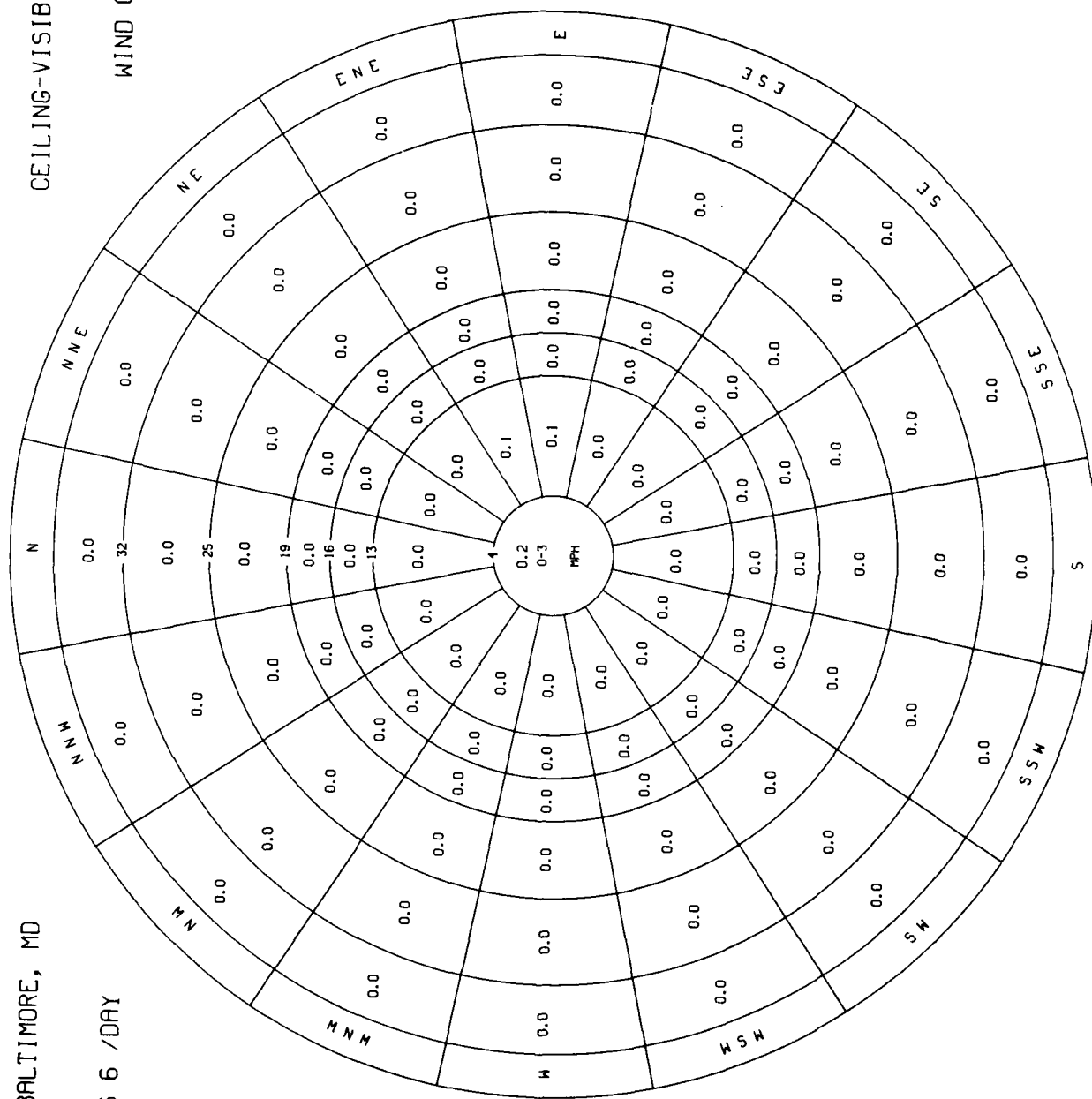
NO. OBS.: 237

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.0	1.3	.0	3.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	5.1	7.1
NNE	.0	.8	.0	3.4	.0	.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	5.5	8.2
NE	.0	.0	.0	6.3	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	6.8	9.0
ENE	.0	.0	.1	2.3	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.1	10.5	8.6
E	.0	2.1	.0	5.9	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.1	9.3	7.8
ESE	.0	.8	.0	6.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	7.7
SE	.0	1.3	.0	4.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	8.9
SSE	.0	1.3	.0	3.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	5.1	7.5
S	.0	.8	.0	3.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	7.0
SSW	.0	1.3	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	4.7
SW	.0	.8	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.9
WSW	.0	.4	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	7.1
W	.0	.8	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	8.3
WNW	.0	1.3	.0	3.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	9.9
NW	.0	1.3	.0	2.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	3.8	6.7
NNW	.0	.4	.0	1.7	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	3.5	9.0
CALM	.1	12.2													.1	12.2	
TOTAL	.2	27.0	.4	64.6	.0	3.8	.0	3.0	.0	1.3	.0	.0	.0	.4	.6	100	

CEILING-VISIBILITY

CLASS 6 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BAL BALTIMORE, MD

PERIOD: 1951-1978

CLASS 6 / DAY

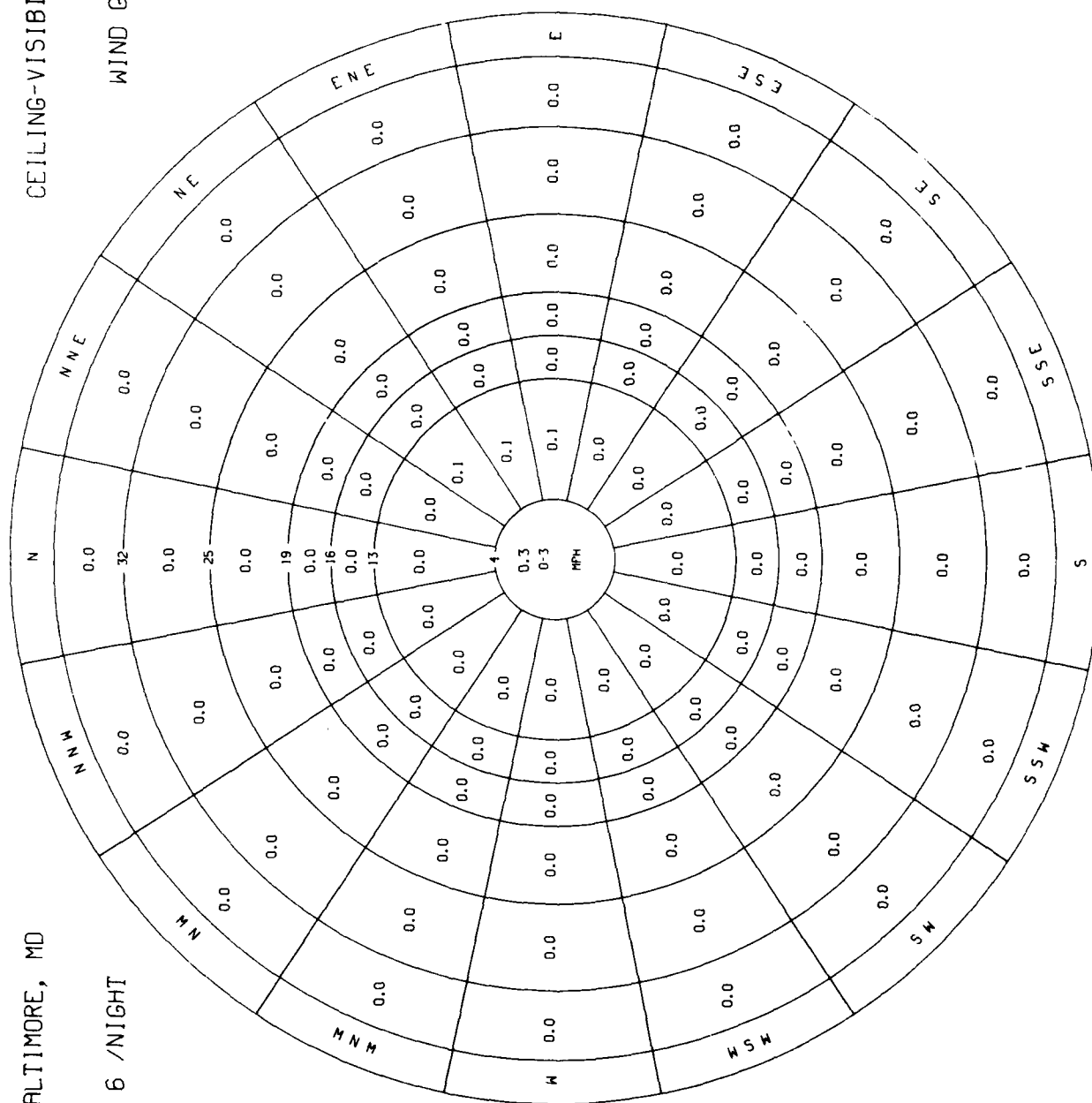
STATION NUMBER: 93721

NO. OBS.: 331

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.2	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7
NNE	.0	.6	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
NE	.0	1.2	.0	5.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	6.6
ENE	.0	1.8	.1	11.2	.0	1.5	.0	.3	.0	.0	.0	.0	.0	.0	14.8
E	.0	1.8	.1	13.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	16.3
ESE	.0	.9	.0	4.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	5.7
SE	.0	1.2	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6
SSE	.0	.6	.0	3.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	3.9
S	.0	.3	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
SSW	.0	.6	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3
SW	.0	.3	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9
WSW	.0	.9	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
W	.0	2.4	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1
WNW	.0	.3	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4
NW	.0	1.2	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7
NNW	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6
CALM	.1	16.6													16.6
TOTAL	.2	32.0	.5	64.4	.0	3.3	.0	.3	.0	.0	.0	.0	.0	.0	7 100
															5.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BAL BALTIMORE, MD

PERIOD: 1951-1978

CLASS 6 / NIGHT

STATION NUMBER: 93721

NO. OBS.: 333

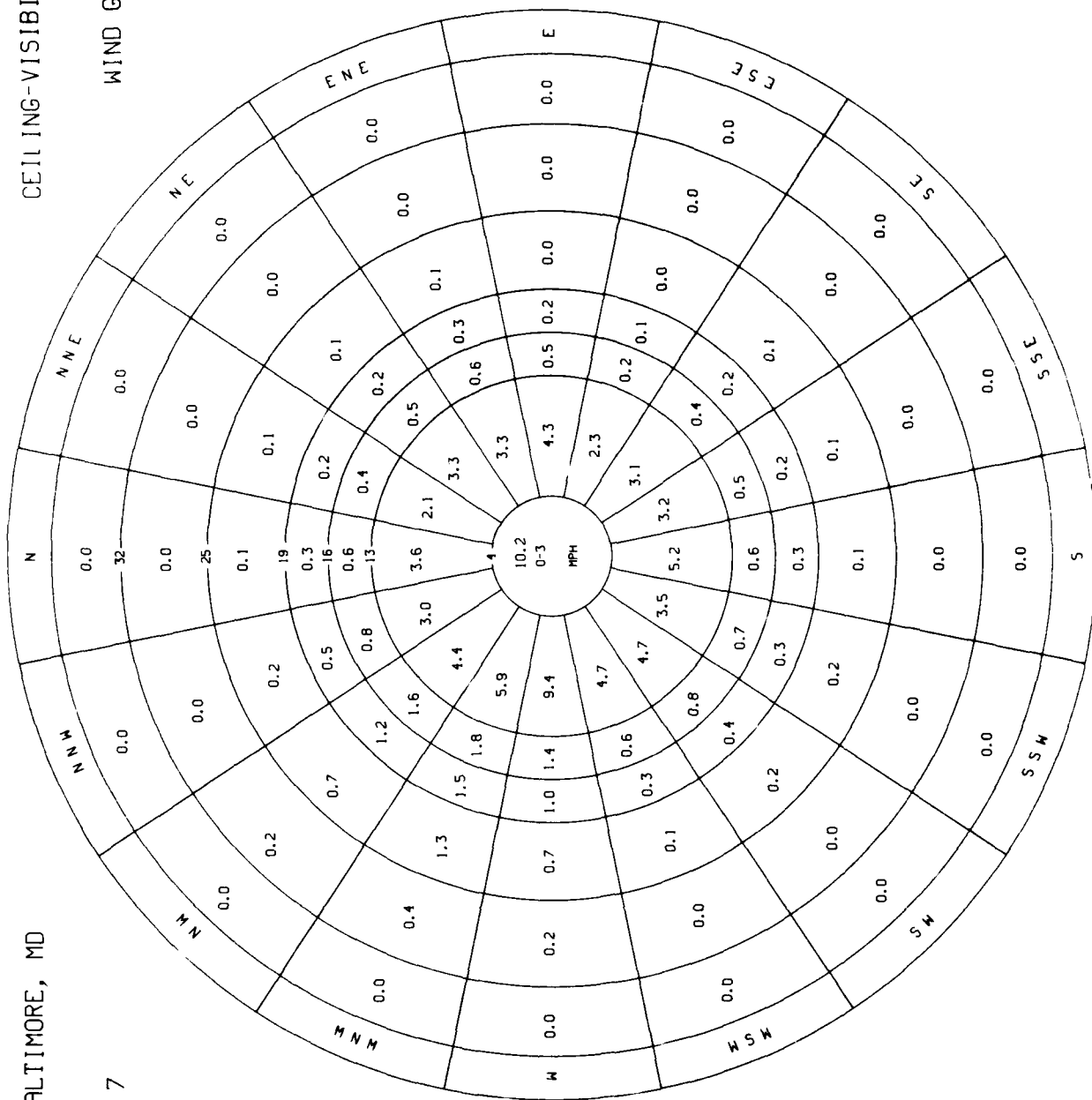
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.8	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
NNE	.0	.3	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
NE	.0	2.1	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 8.1
ENE	.0	2.1	.1	9.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.7
E	.0	2.4	.1	8.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 10.5
ESE	.0	.6	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
SE	.0	.9	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.1
SSE	.0	1.2	.0	2.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.2
S	.0	1.5	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
SSW	.0	.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
SW	.0	.6	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
WSW	.0	.3	.0	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.4
W	.0	1.2	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.6
WNW	.0	.3	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.6
NW	.0	.9	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
NNW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
CALM	.2	21.0													.2 21.0
TOTAL	.3	37.5	.6	62.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.9 100
															4.8

CEILING-VISIBILITY

WIND GRAPH

BAL BALTIMORE, MD

CLASS 7

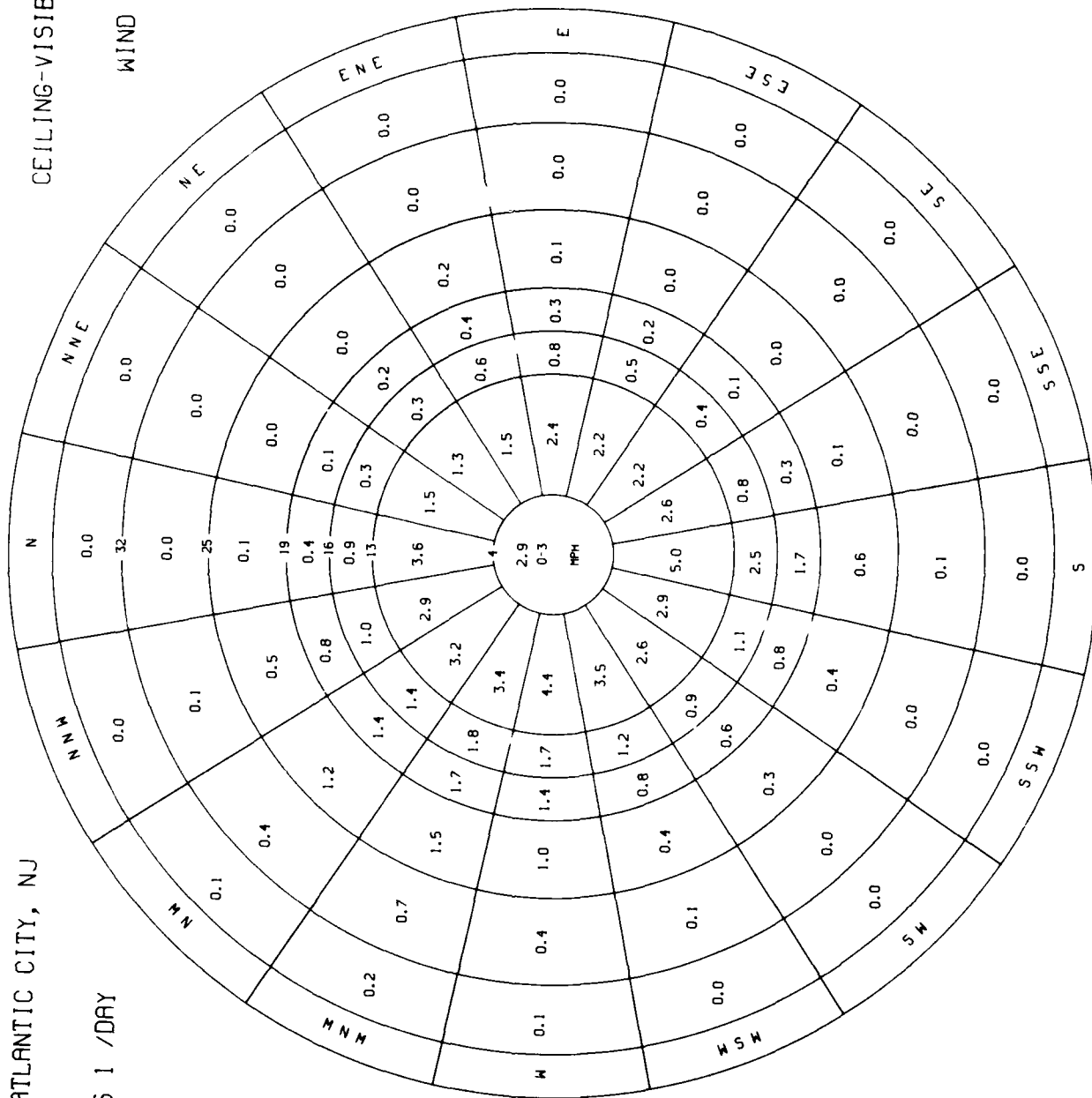


ACY ATLANTIC CITY, NJ

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ACY ATLANTIC CITY, NJ

PERIOD: 1959-1978

CLASS 1 / DAY

STATION NUMBER: 93730

NO. OBS.: 27665

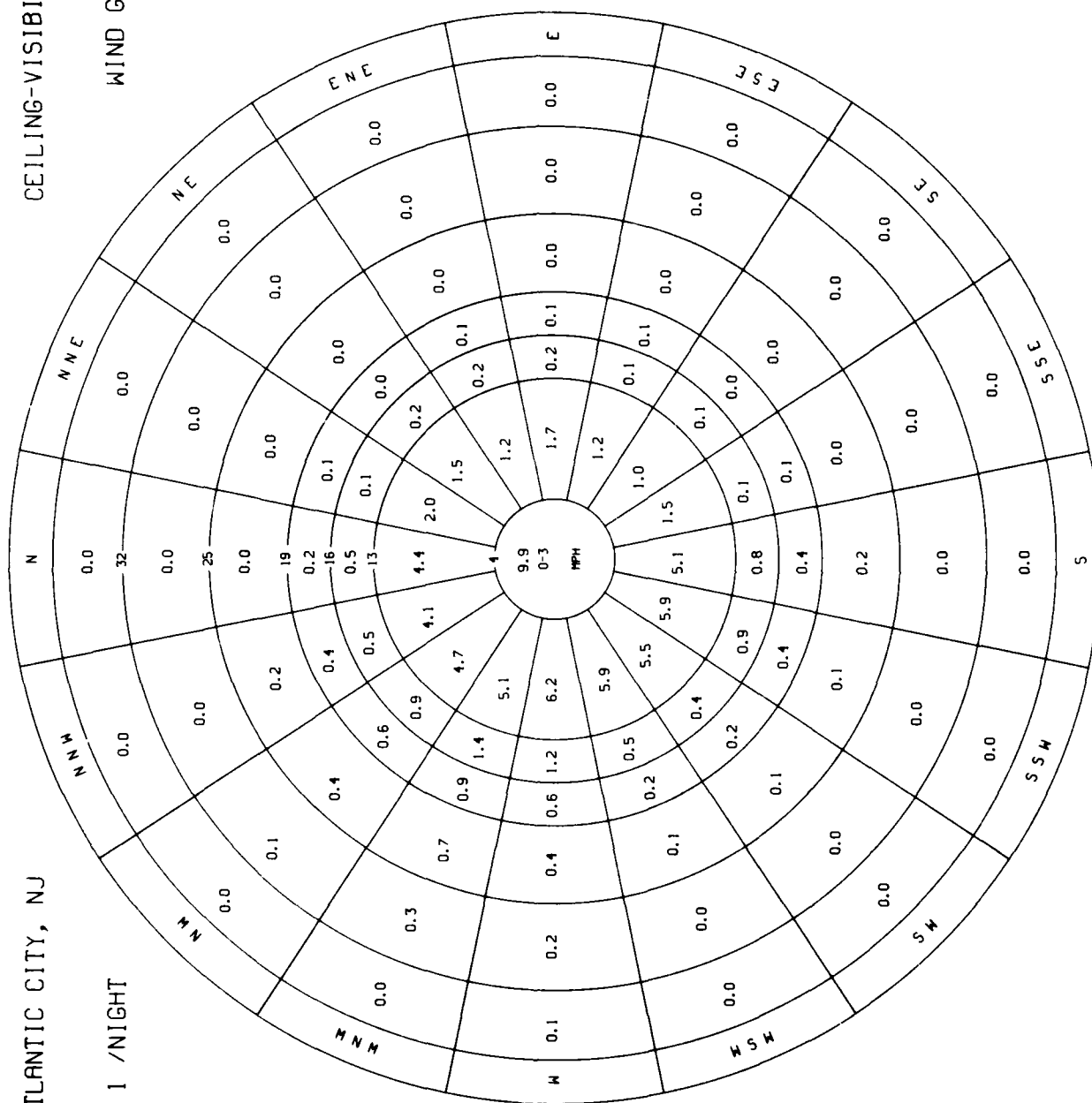
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.1	3.6	4.3	.9	1.1	.4	.4	.1	.2	.0	.0	.0	.0	5.2	6.2	10.4
NNE	.1	.1	1.5	1.8	.3	.4	.1	.2	.0	.1	.0	.0	.0	.0	2.1	2.5	9.5
NE	.0	.1	1.3	1.6	.3	.4	.2	.2	.0	.1	.0	.0	.0	.0	2.0	2.3	10.3
ENE	.1	.1	1.5	1.8	.6	.7	.4	.5	.2	.2	.0	.0	.0	.0	2.9	3.4	12.0
E	.1	.1	2.4	2.8	.8	.9	.3	.4	.1	.1	.0	.0	.0	.0	3.7	4.4	10.7
ESE	.1	.1	2.2	2.6	.5	.6	.2	.2	.0	.1	.0	.0	.0	.0	3.0	3.6	10.0
SE	.1	.1	2.2	2.6	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	2.8	3.3	9.8
SSE	.1	.1	2.6	3.1	.8	.9	.3	.4	.1	.1	.0	.0	.0	.0	3.9	4.6	10.7
S	.1	.1	5.0	5.9	2.5	3.0	1.7	2.0	.6	.7	.1	.1	.0	.0	9.9	11.7	12.4
SSW	.1	.1	2.9	3.5	1.1	1.4	.8	.9	.4	.4	.0	.0	.0	.0	5.4	6.4	12.0
SW	.1	.1	2.6	3.0	.9	1.1	.6	.7	.3	.3	.0	.1	.0	.0	4.5	5.3	11.7
WSW	.1	.1	3.5	4.2	1.2	1.4	.8	1.0	.4	.4	.1	.1	.0	.0	6.0	7.2	11.8
W	.1	.1	4.4	5.3	1.7	2.0	1.4	1.6	1.0	1.2	.4	.4	.1	.1	9.1	10.8	13.4
WNW	.1	.1	3.4	4.0	1.8	2.1	1.7	2.1	1.5	1.8	.7	.8	.2	.2	9.3	11.1	15.2
NW	.1	.1	3.2	3.9	1.4	1.7	1.4	1.6	1.2	1.4	.4	.5	.1	.1	7.7	9.2	14.1
NNW	.1	.1	2.9	3.4	1.0	1.2	.8	.9	.5	.6	.1	.1	.0	.0	5.3	6.3	12.1
CALM	1.5	1.8													1.5	1.8	
TOTAL	2.9	3.5	45.3	53.8	16.2	19.2	11.1	13.2	6.4	7.6	1.8	2.2	.3	.4	84.1	100	12.1

CEILING-VISIBILITY

WIND GRAPH

ACY ATLANTIC CITY, NJ

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ACY ATLANTIC CITY, NJ

PERIOD: 1959-1978

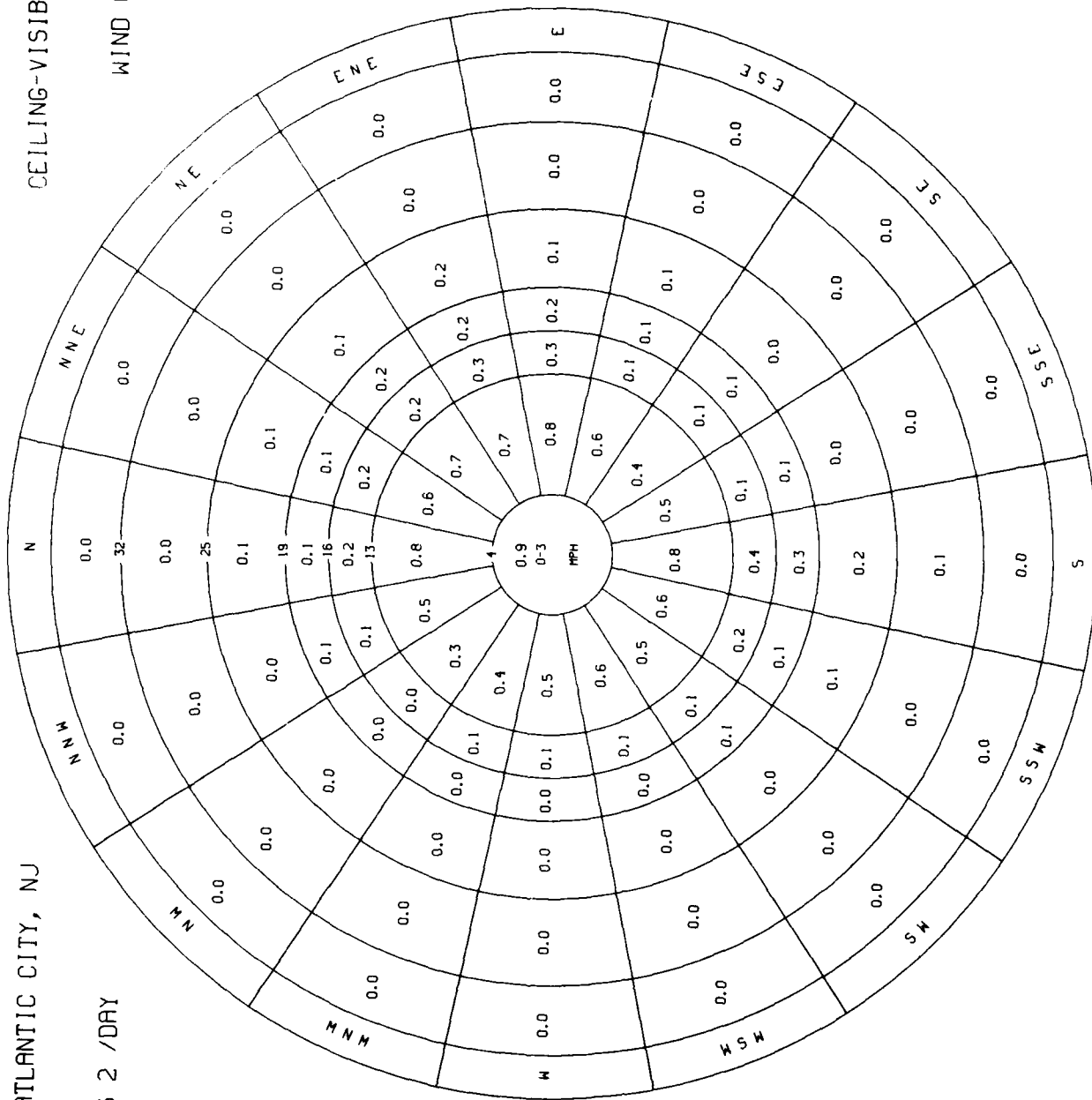
CLASS 1 / NIGHT

STATION NUMBER: 93730

NO. OBS.: 21066

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.4	.5	4.4	5.4	.5	.6	.2	.2	.1	.1	.0	.0	.0	.0	5.7 6.9 8.5
NNE	.2	.2	2.0	2.4	.1	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.4 2.9 7.9
NE	.2	.2	1.5	1.8	.2	.2	.0	.1	.1	.1	.0	.0	.0	.0	1.9 2.3 7.8
ENE	.2	.2	1.2	1.5	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	1.8 2.1 8.6
E	.2	.2	1.7	2.0	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	2.2 2.7 8.0
ESE	.2	.2	1.2	1.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.5 1.8 7.6
SE	.2	.2	1.0	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3 1.6 7.5
SSE	.1	.2	1.5	1.8	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.8 2.2 8.0
S	.3	.4	5.1	6.2	.8	.9	.4	.4	.2	.2	.0	.0	.0	.0	6.7 8.2 9.2
SSW	.3	.4	5.9	7.1	.9	1.1	.4	.5	.1	.2	.0	.0	.0	.0	7.7 9.3 9.4
SW	.3	.4	5.5	6.7	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	6.5 7.9 8.3
WSW	.4	.4	5.9	7.2	.5	.6	.2	.2	.1	.1	.0	.0	.0	.0	7.1 8.7 8.5
W	.4	.4	6.2	7.6	1.2	1.4	.6	.7	.4	.5	.2	.2	.1	.1	9.0 10.9 10.6
WNW	.3	.3	5.1	6.2	1.4	1.7	.9	1.0	.7	.8	.3	.3	.0	.1	8.6 10.5 11.6
NW	.3	.4	4.7	5.7	.9	1.1	.6	.7	.4	.5	.1	.2	.0	.0	7.1 8.6 10.3
NNW	.4	.5	4.1	4.9	.5	.7	.4	.4	.2	.3	.0	.0	.0	.0	5.6 6.8 9.3
CALM	5.6	6.8													5.6 6.8
TOTAL	9.9	12.0	57.0	69.1	8.1	9.9	4.2	5.1	2.4	2.9	.7	.8	.2	.2	82.4 100 8.7

ACY ATLANTIC CITY, NJ
 CLASS 2 /DAY
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1959-1978

STATION NAME: ACY ATLANTIC CITY, NJ

CLASS 2 / DAY

NO. OBS.: 5215

STATION NUMBER: 93730

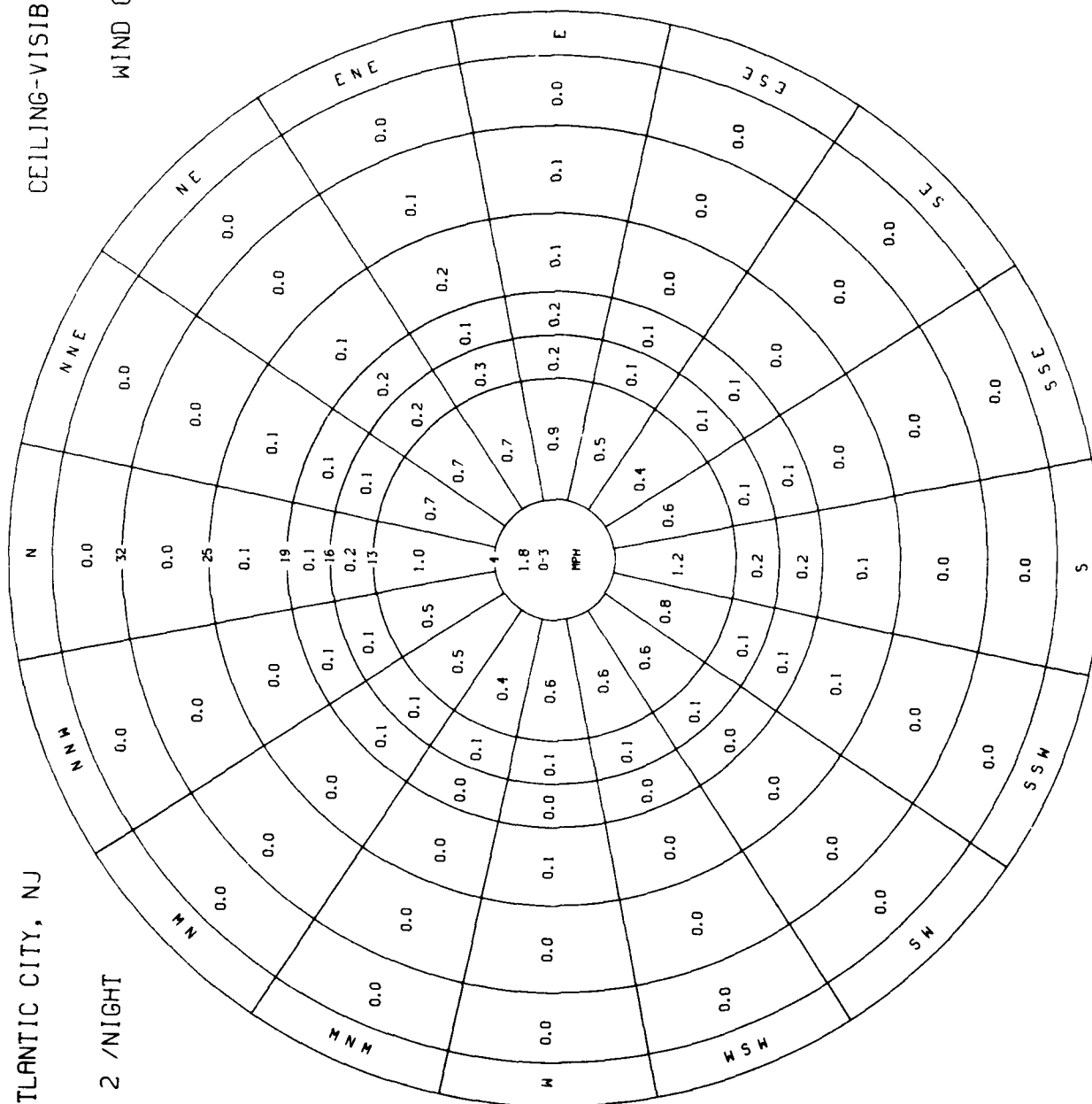
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.8	4.8	.2	1.3	.1	.6	.1	.4	.0	.1	.0	.0	1.2	7.4	10.8
NNE	.0	.2	.6	4.0	.2	1.2	.1	.7	.1	.5	.0	.1	.0	.0	1.0	6.6	11.4
NE	.0	.2	.7	4.1	.2	1.4	.2	1.2	.1	.8	.0	.3	.0	.0	1.3	8.0	12.5
ENE	.0	.1	.7	4.3	.3	2.1	.2	1.2	.2	1.1	.0	.2	.0	.1	1.5	9.2	13.3
E	.0	.1	.8	5.0	.3	1.7	.2	1.2	.1	.7	.0	.3	.0	.1	1.4	9.0	12.2
ESE	.0	.2	.6	3.7	.1	.8	.1	.4	.1	.4	.0	.1	.0	.0	.9	5.5	11.0
SE	.0	.1	.4	2.6	.1	.5	.1	.5	.0	.2	.0	.0	.0	.0	.6	4.0	11.1
SSE	.0	.1	.5	3.3	.1	.4	.1	.4	.0	.3	.0	.1	.0	.0	.7	4.7	10.7
S	.0	.2	.8	5.3	.4	2.2	.3	1.9	.2	1.0	.1	.3	.0	.0	1.8	11.0	12.8
SSW	.0	.2	.6	3.8	.2	1.0	.1	.7	.1	.5	.0	.3	.0	.1	1.0	6.6	12.2
SW	.0	.1	.5	2.9	.1	.6	.1	.3	.0	.2	.0	.0	.0	.0	.7	4.1	10.4
WSW	.0	.1	.6	3.5	.1	.5	.0	.3	.0	.2	.0	.1	.0	.0	.7	4.7	10.2
W	.0	.1	.5	3.3	.1	.6	.0	.3	.0	.3	.0	.1	.0	.1	.8	4.9	11.0
WNW	.0	.1	.4	2.4	.1	.5	.0	.2	.0	.3	.0	.1	.0	.0	.6	3.5	11.5
NW	.0	.2	.3	2.2	.0	.2	.0	.3	.0	.2	.0	.1	.0	.0	.5	3.3	10.7
NNW	.0	.1	.5	2.9	.1	.6	.1	.4	.0	.2	.0	.1	.0	.0	.7	4.3	10.8
CALM	.5	3.2													.5	3.2	
TOTAL	.9	5.6	9.2	58.0	2.5	15.7	1.7	10.6	1.1	7.2	.4	2.2	.1	.6	15.9	100	11.3

ACY ATLANTIC CITY, NJ

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: APT ATLANTIC CITY, NJ

PERIOD: 1959-1978

CLASS: 2 - NIGHT

STATION NUMBER: 93730

NO. OBS.: 4494

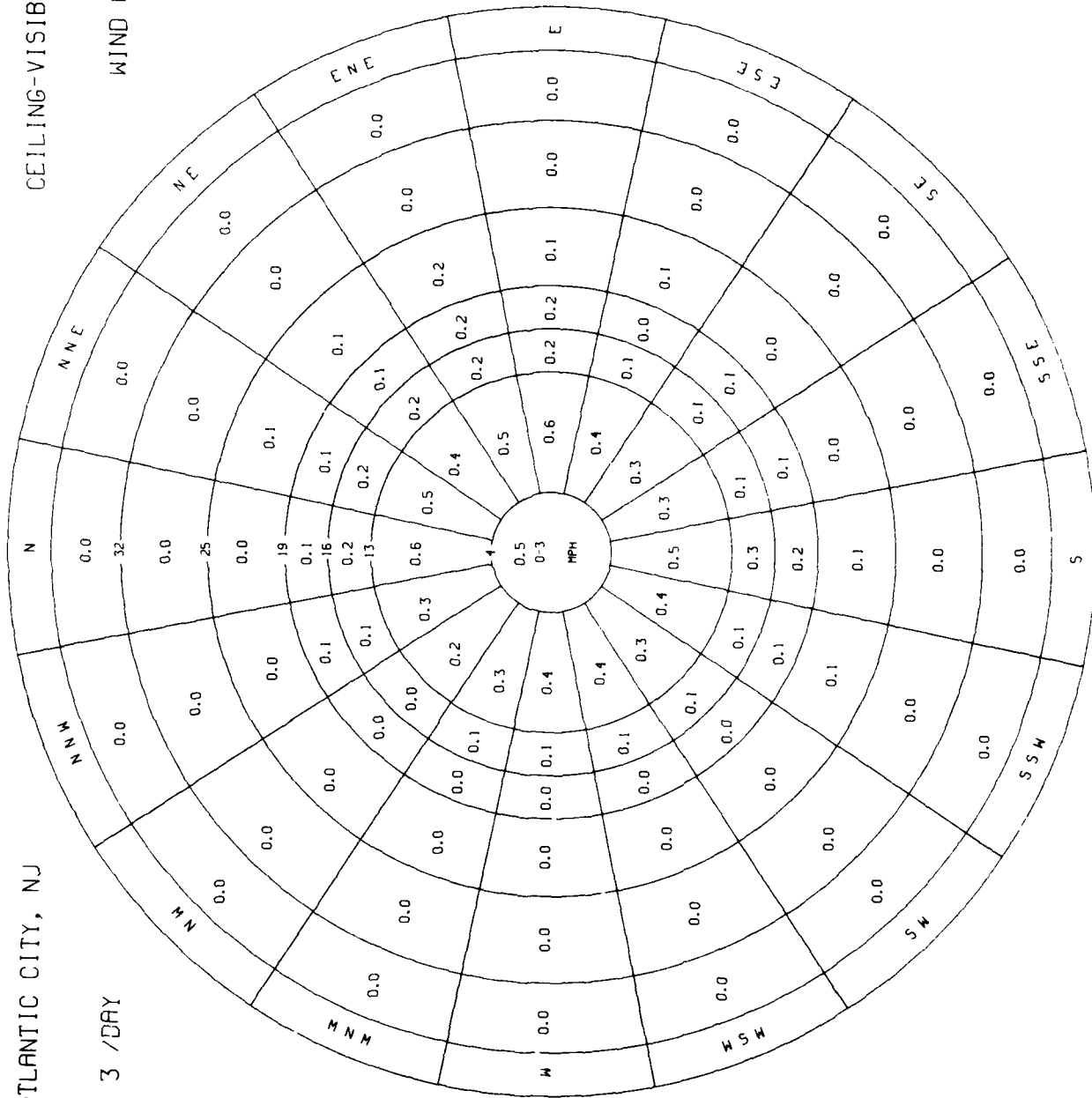
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.6	1.0	5.4	.2	1.2	.1	.7	.1	.3	.0	.1	.0	.0	1.4 8.2
NNE	.0	.1	.7	3.7	.1	.9	.1	.6	.1	.3	.0	.1	.0	.0	1.0 5.7
NE	.0	.1	.7	3.9	.2	1.4	.2	.9	.1	.5	.0	.2	.0	.0	1.2 7.1
ENE	.0	.3	.7	4.1	.3	1.5	.1	.7	.2	.9	.1	.3	.0	.2	1.4 8.0
E	.1	.4	.9	5.1	.2	1.0	.2	.9	.1	.8	.1	.4	.0	.1	1.5 8.6
ESE	.0	.1	.5	3.0	.1	.7	.1	.3	.0	.3	.0	.0	.0	.0	.8 4.5
SE	.0	.2	.4	2.2	.1	.4	.1	.3	.0	.1	.0	.1	.0	.0	.6 3.3
SSE	.0	.2	.6	3.5	.1	.4	.1	.4	.0	.2	.0	.2	.0	.0	.8 4.8
S	.1	.4	1.2	6.7	.2	1.2	.2	.9	.1	.8	.0	.2	.0	.0	1.8 10.4
SSW	.1	.3	.8	4.6	.1	.8	.1	.8	.1	.5	.0	.1	.0	.0	1.3 7.1
SW	.0	.3	.6	3.2	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.7 4.1
WSW	.0	.2	.6	3.3	.1	.5	.0	.2	.0	.3	.0	.1	.0	.0	.8 4.7
W	.1	.3	.6	3.6	.1	.6	.0	.2	.1	.4	.0	.0	.0	.0	.9 5.2
WNW	.0	.2	.4	2.3	.1	.3	.0	.2	.0	.2	.0	.1	.0	.0	.6 3.5
NW	.0	.2	.5	2.6	.1	.5	.1	.4	.0	.3	.0	.0	.0	.0	.7 4.1
NNW	.1	.3	.5	2.9	.1	.5	.1	.6	.0	.3	.0	.2	.0	.0	.8 4.8
CALM	1.0	5.9													1.0 5.9
TOTAL	1.8	10.1	10.6	60.3	2.1	12.1	1.5	8.4	1.1	6.2	.4	2.3	.1	.5	17.6 100

ACY ATLANTIC CITY, NJ

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ACY ATLANTIC CITY, NJ

PERIOD: 1959-1978

CLASS 3 / DAY

STATION NUMBER: 93730

NO. OBS.: 3797

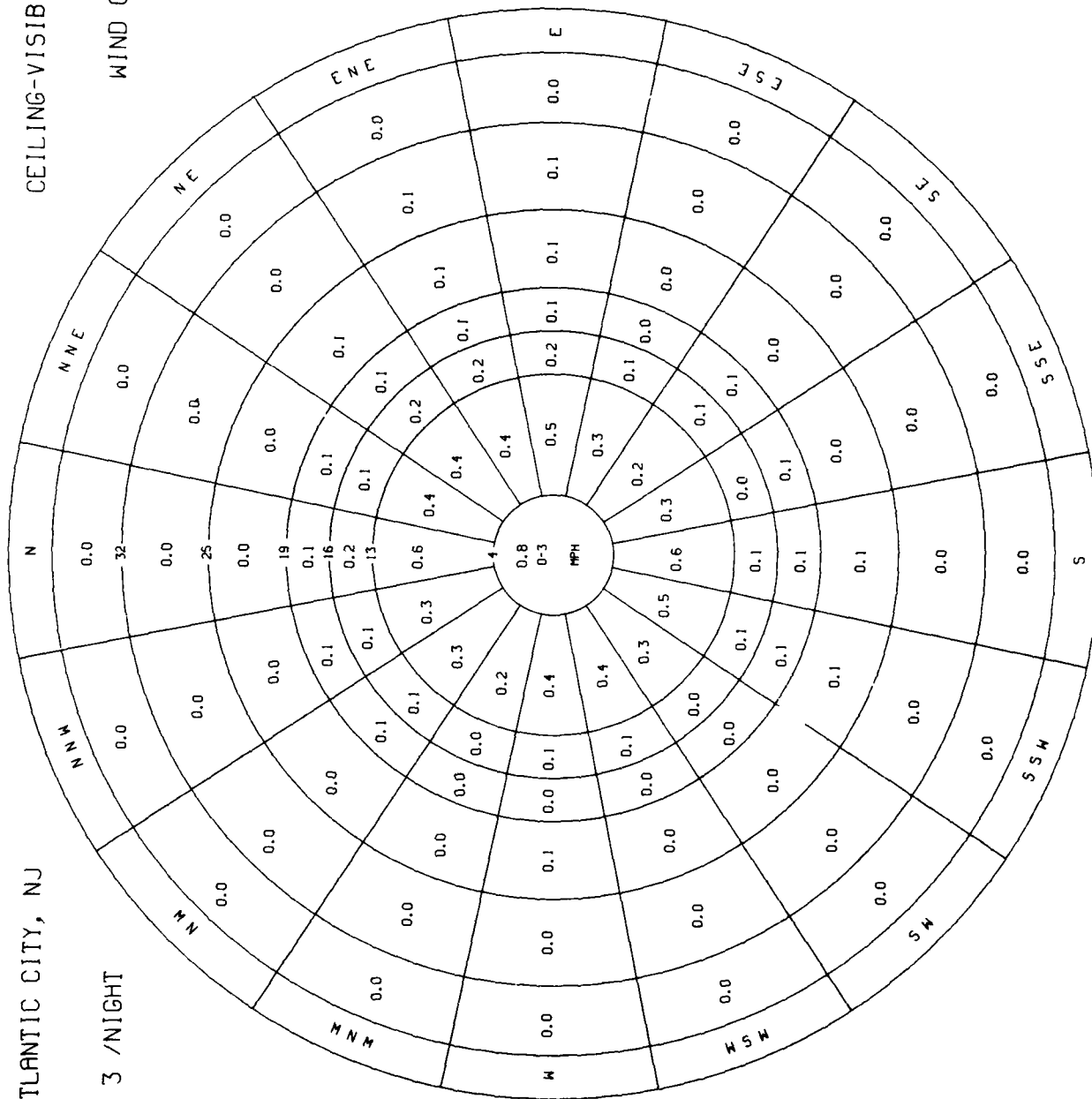
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.2	.6	4.8	.2	1.5	.1	.6	.0	.4	.0	.1	.0	.0	.5 7.7
NNE	.0	.1	.5	4.1	.2	1.4	.1	.8	.1	.5	.0	.1	.0	.0	.8 7.0
NE	.0	.3	.4	3.8	.2	1.6	.1	1.3	.1	.8	.0	.3	.0	.0	.9 8.2
ENE	.0	.1	.5	3.9	.2	2.1	.2	1.4	.2	1.3	.0	.2	.0	.1	1.1 9.2
E	.0	.1	.6	5.0	.2	2.0	.2	1.3	.1	.9	.0	.3	.0	.1	1.1 9.7
ESE	.0	.1	.4	3.7	.1	.9	.0	.4	.1	.4	.0	.1	.0	.0	.6 5.6
SE	.0	.1	.3	2.5	.1	.6	.1	.5	.0	.3	.0	.1	.0	.1	.5 4.0
SSE	.0	.1	.3	3.0	.1	.5	.1	.5	.0	.3	.0	.1	.0	.0	.5 4.5
S	.0	.2	.5	4.6	.3	2.3	.2	2.1	.1	1.1	.0	.3	.0	.1	1.2 10.6
SSW	.0	.1	.4	3.5	.1	1.1	.1	.8	.1	.6	.0	.1	.0	.1	.7 6.3
SW	.0	.1	.3	2.7	.1	.8	.0	.4	.0	.2	.0	.1	.0	.0	.5 4.2
WSW	.0	.1	.4	3.7	.1	.6	.0	.4	.0	.2	.0	.1	.0	.0	.6 5.0
W	.0	.1	.4	3.3	.1	.7	.0	.4	.0	.4	.0	.1	.0	.1	.6 5.2
WNW	.0	.1	.3	2.2	.1	.6	.0	.3	.0	.3	.0	.1	.0	.1	.4 3.6
NW	.0	.1	.2	2.0	.0	.2	.0	.3	.0	.3	.0	.1	.0	.0	.4 3.2
NNW	.0	.1	.3	2.5	.1	.8	.1	.5	.0	.3	.0	.0	.0	.0	.5 4.2
CALM	.2	2.0													.2 2.0
TOTAL	.5	4.0	6.4	55.3	2.0	17.6	1.4	12.0	1.0	8.2	.2	2.1	.1	.7	11.5 100

ACY ATLANTIC CITY, NJ

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ACY ATLANTIC CITY, NJ

PERIOD: 1959-1978

CLASS 3 / NIGHT

STATION NUMBER: 93730

NO. OBS.: 2805

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.4	.6	5.2	.2	1.5	.1	1.0	.0	.4	.0	.1	.0	.0	.9	8.6	11.1
NNE	.0	.0	.4	3.4	.1	1.1	.1	.7	.0	.4	.0	.2	.0	.0	.6	5.9	12.1
NE	.0	.2	.4	3.7	.2	1.6	.1	1.2	.1	.5	.0	.3	.0	.0	.8	7.5	12.7
ENE	.0	.2	.4	3.9	.2	1.7	.1	.9	.1	1.1	.1	.5	.0	.3	1.0	8.7	13.8
E	.0	.3	.5	4.9	.2	1.4	.1	1.2	.1	1.1	.1	.5	.0	.1	1.0	9.6	13.0
ESE	.0	.1	.3	2.5	.1	.8	.0	.4	.0	.4	.0	.1	.0	.0	.5	4.3	11.8
SE	.0	.2	.2	2.0	.1	.5	.1	.5	.0	.1	.0	.1	.0	.0	.4	3.4	11.4
SSE	.0	.2	.3	3.1	.0	.4	.1	.5	.0	.2	.0	.1	.0	.0	.5	4.6	10.4
S	.0	.4	.6	5.8	.1	1.3	.1	1.0	.1	.7	.0	.1	.0	.0	1.0	9.4	11.1
SSW	.0	.1	.5	4.3	.1	.7	.1	1.0	.1	.5	.0	.1	.0	.0	.7	6.7	11.0
SW	.0	.1	.3	3.1	.0	.4	.0	.2	.0	.1	.0	.1	.0	.0	.4	4.0	9.3
WSW	.0	.2	.4	3.3	.1	.6	.0	.3	.0	.4	.0	.1	.0	.0	.6	5.0	10.5
W	.0	.2	.4	3.6	.1	.7	.0	.3	.1	.6	.0	.0	.0	.0	.6	5.5	10.6
WNW	.0	.2	.2	2.1	.0	.4	.0	.4	.0	.3	.0	.1	.0	.0	.4	3.6	11.7
NW	.0	.1	.3	2.7	.1	.6	.1	.7	.0	.4	.0	.0	.0	.1	.5	4.5	11.6
NNW	.0	.2	.3	2.7	.1	.6	.1	.7	.0	.4	.0	.2	.0	.0	.5	4.8	11.8
CALM	.4	3.8													.4	3.8	
TOTAL	.8	7.0	6.2	56.4	1.6	14.5	1.2	10.8	.7	7.7	.3	2.9	.1	.7	11.0	100	11.2

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ACY ATLANTIC CITY, NJ

PERIOD: 1959-1978

CLASS 4 / DAY

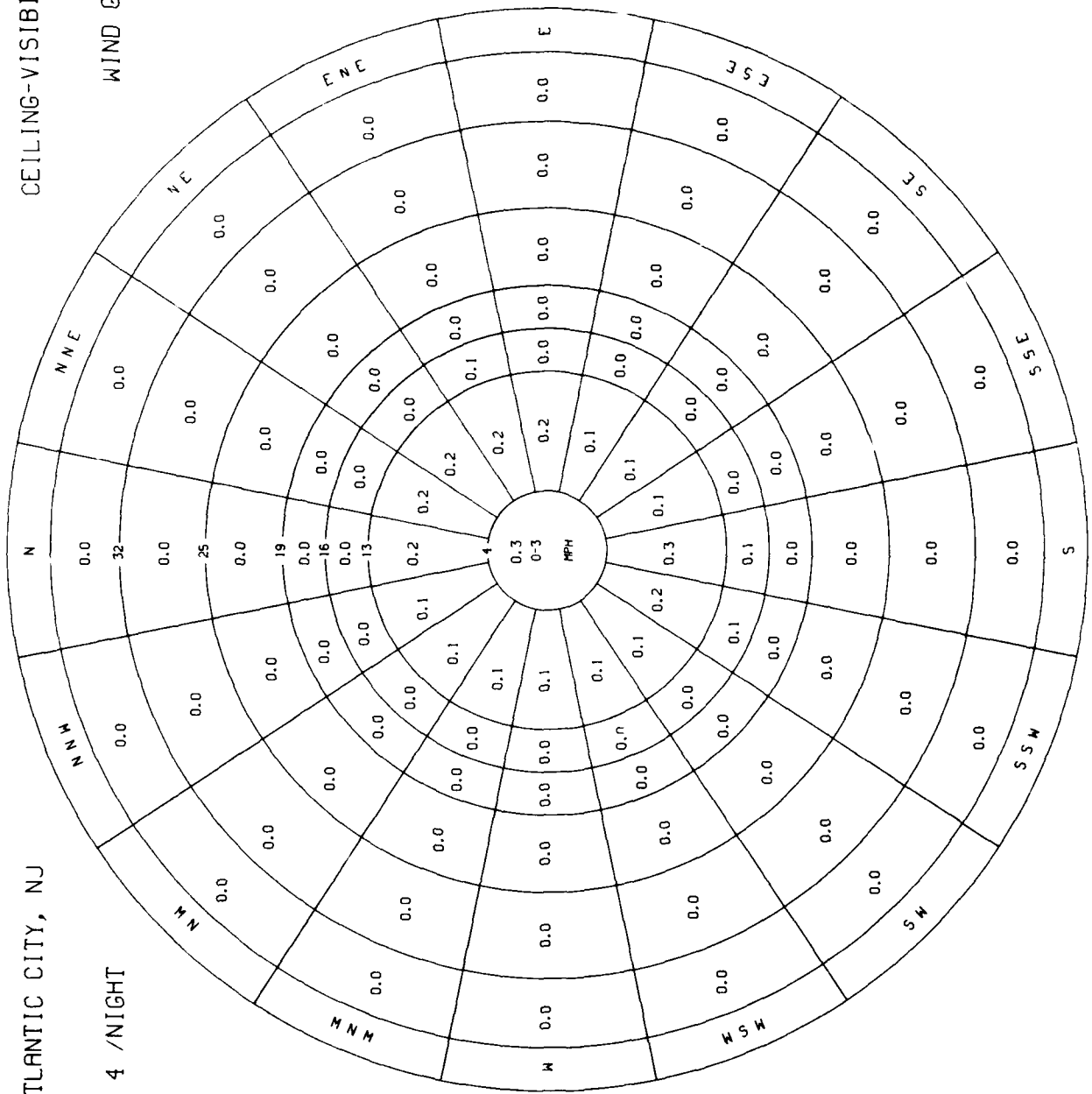
STATION NUMBER: 93730

NO. OBS.: 890

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	C	D				
N	.0	.1	.1	5.5	.0	.9	.0	.4	.0	.2	.0	.1	.0	.0	.2	7.3	9.6	
NNE	.0	.3	.1	3.7	.0	1.1	.0	.8	.0	.4	.0	.0	.0	.0	.0	.2	6.4	11.0
NE	.0	.3	.1	5.3	.0	1.0	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.2	8.4	11.3
ENE	.0	.2	.2	5.7	.1	2.7	.0	1.0	.0	.3	.0	.3	.0	.1	.3	10.4	12.0	
E	.0	.2	.1	5.3	.0	1.1	.0	.9	.0	.1	.0	.2	.0	.0	.2	7.9	10.7	
ESE	.0	.2	.1	3.6	.0	.6	.0	.7	.0	.2	.0	.0	.0	.0	.1	5.3	10.6	
SE	.0	.0	.1	3.4	.0	.3	.0	.9	.0	.1	.0	.0	.0	.0	.1	4.7	10.4	
SSE	.0	.0	.1	3.4	.0	.2	.0	.3	.0	.3	.0	.1	.0	.0	.1	4.4	10.6	
S	.0	.4	.2	6.3	.1	2.0	.0	1.8	.0	1.2	.0	.4	.0	.0	.3	12.2	12.4	
SSW	.0	.0	.1	3.4	.0	1.2	.0	.7	.0	.4	.0	.6	.0	.0	.2	6.3	13.2	
SW	.0	.1	.1	2.9	.0	.0	.0	.2	.0	.1	.0	.0	.0	.0	.1	3.4	9.1	
WSW	.0	.2	.1	2.4	.0	.4	.0	.0	.0	.4	.0	.0	.0	.1	.1	3.6	10.2	
W	.0	.1	.1	3.0	.0	.6	.0	.1	.0	.0	.0	.1	.0	.2	.1	4.2	10.5	
WNW	.0	.0	.1	2.8	.0	.3	.0	.0	.0	.4	.0	.1	.0	.0	.1	3.7	11.1	
NW	.0	.1	.1	2.0	.0	.2	.0	.2	.0	.1	.0	.3	.0	.0	.1	3.0	11.4	
NNW	.0	.0	.1	4.0	.0	.3	.0	.1	.0	.0	.0	.3	.0	.0	.1	4.8	10.2	
CALM	.1	3.9													.1	3.9		
TOTAL	.2	6.4	1.7	62.7	.4	13.1	.3	9.4	.1	5.2	.1	2.7	.0	.4	.2	7.0	10.7	

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ACY ATLANTIC CITY, NJ

PERIOD: 1959-1978

CLASS 4 / NIGHT

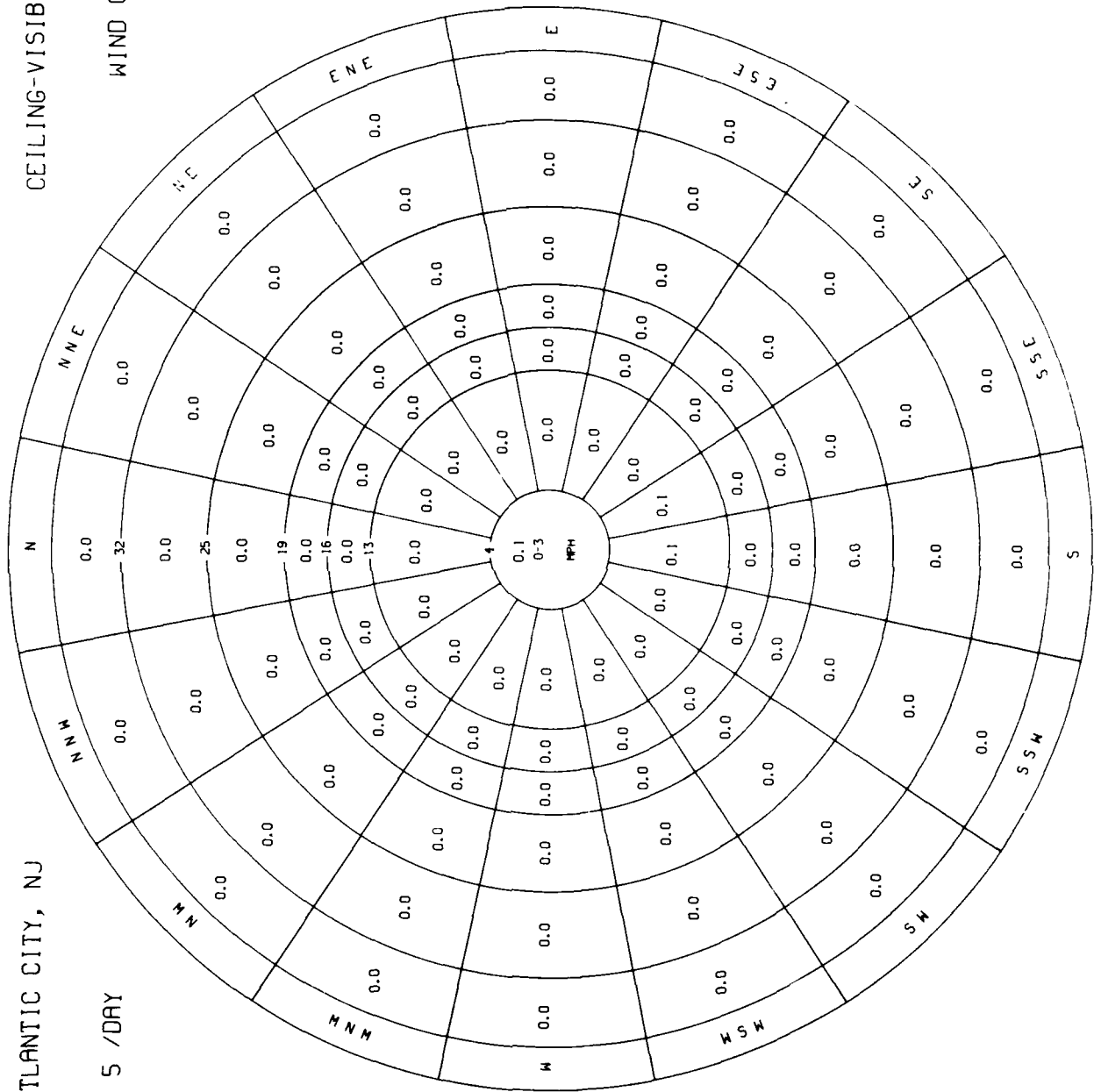
STATION NUMBER: 93730

NO. OBS.: 863

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.5	.2	6.3	.0	.9	.0	.3	.0	.1	.0	.0	.0	.0	.3 8.1
NNE	.0	.2	.2	4.9	.0	.6	.0	.8	.0	.2	.0	.0	.0	.1	.2 6.8
NE	.0	.1	.2	4.9	.0	1.4	.0	.5	.0	.7	.0	.0	.0	.0	.3 7.5
ENE	.0	.2	.2	4.6	.1	1.9	.0	.6	.0	.8	.0	.1	.0	.0	.3 8.2
E	.0	.3	.2	5.7	.0	.5	.0	.7	.0	.5	.0	.1	.0	.1	.3 7.9
ESE	.0	.1	.1	4.1	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.2 5.0
SE	.0	.0	.1	2.3	.0	.7	.0	.2	.0	.2	.0	.0	.0	.0	.1 3.5
SSE	.0	.2	.1	3.0	.0	.6	.0	.1	.0	.2	.0	.3	.0	.0	.2 4.5
S	.0	.5	.3	8.0	.1	2.0	.0	1.0	.0	1.3	.0	.5	.0	.0	.4 13.2
SSW	.0	.3	.2	4.9	.1	1.5	.0	.6	.0	.3	.0	.2	.0	.0	.3 7.9
SW	.0	.5	.1	2.9	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.1 3.9
WSW	.0	.1	.1	2.9	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.1 3.6
W	.0	.2	.1	3.5	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.1 4.4
WNW	.0	.1	.1	2.7	.0	.3	.0	.1	.0	.2	.0	.2	.0	.0	.1 3.7
NW	.0	.1	.1	2.2	.0	.6	.0	.0	.0	.1	.0	.1	.0	.0	.1 3.1
NNW	.0	.1	.1	2.2	.0	.6	.0	.6	.0	.1	.0	.2	.0	.0	.1 3.8
CALM	.2	4.8													.2 4.8
TOTAL	.3	8.5	2.2	64.9	.4	13.1	.2	6.1	.2	5.3	.1	1.9	.0	.2	3.4 10.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1959-1978

STATION NAME: ACY ATLANTIC CITY, NJ

CLASS: 5 / DAY

NO. OBS.: 289

STATION NUMBER: 93730

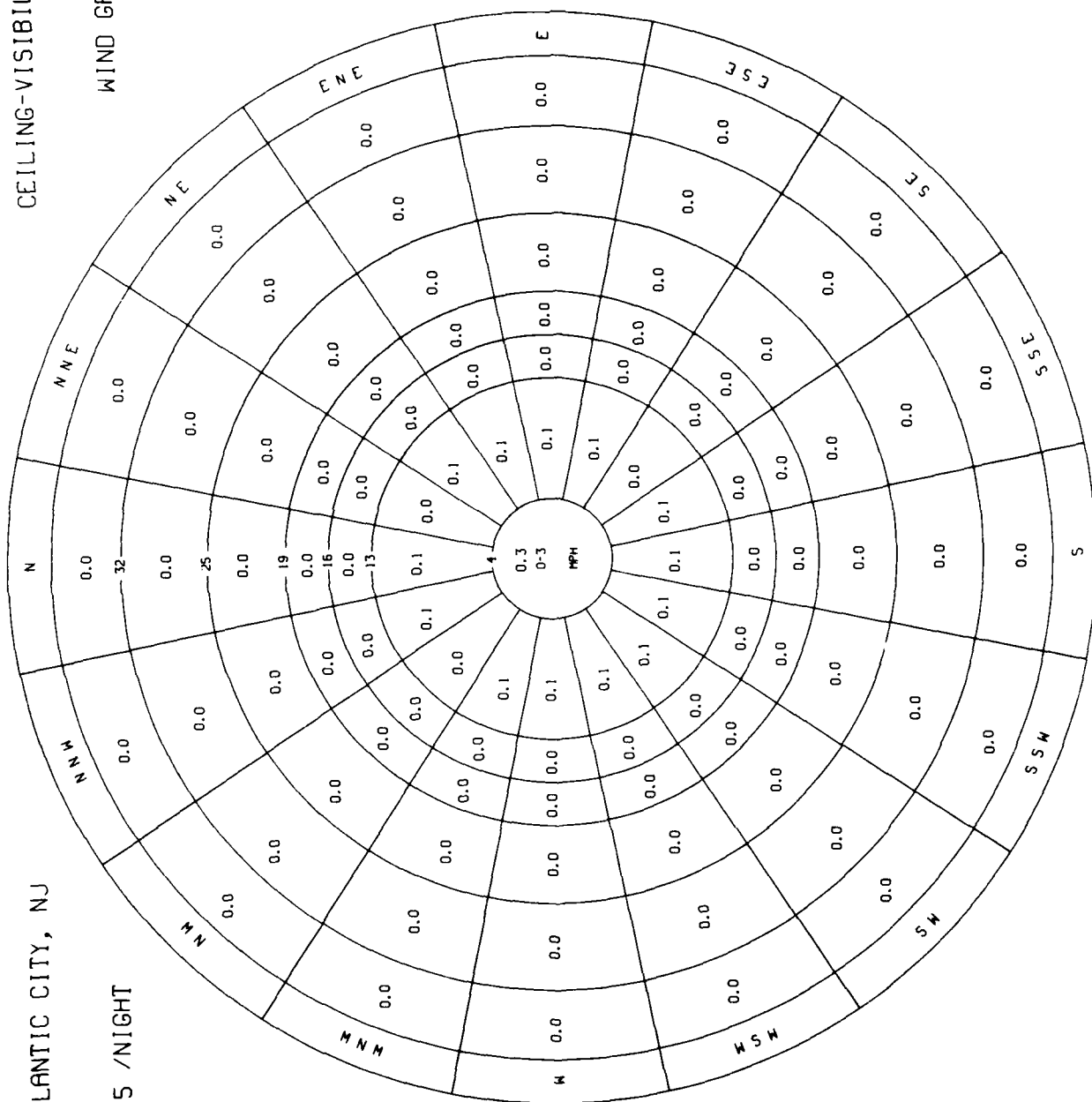
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																A	B
N	.0	.0	.0	3.5	.0	.3	.0	1.0	.0	1.0	.0	.3	.0	.0	.1	6.2	13.3
NNE	.0	.3	.0	5.5	.0	.3	.0	.0	.0	.7	.0	.0	.0	.0	.1	6.9	8.7
NE	.0	.0	.0	3.5	.0	.3	.0	.3	.0	1.0	.0	.3	.0	.0	.0	5.5	12.2
ENE	.0	.3	.0	5.2	.0	1.7	.0	.0	.0	.7	.0	.3	.0	.0	.1	8.3	11.1
E	.0	.0	.0	4.8	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	5.5	9.4
ESE	.0	.3	.0	3.8	.0	.3	.0	.7	.0	.0	.0	.0	.0	.0	.0	5.2	9.2
SE	.0	.0	.0	2.8	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	3.1	9.0
SSE	.0	.0	.1	5.9	.0	.7	.0	.0	.0	.3	.0	.0	.0	.0	.1	6.9	8.6
S	.0	.7	.1	8.3	.0	2.8	.0	.3	.0	.3	.0	.7	.0	.0	.1	13.1	10.9
SSW	.0	.3	.0	5.5	.0	.0	.0	.7	.0	.7	.0	1.4	.0	.0	.1	8.7	12.8
SW	.0	.0	.0	4.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	8.4
WSW	.0	.3	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	4.8	9.5
W	.0	.3	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.0
WNW	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	3.1	9.1
NW	.0	.7	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.2
NNW	.0	.0	.0	3.8	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	4.2	7.7
CALM	.1	7.3													.1	7.3	
TOTAL	.1	10.7	.6	68.9	.1	7.6	.0	4.2	.0	4.8	.0	3.5	.0	.3	.9	100	9.3

CEILING-VISIBILITY

WIND GRAPH

ACY ATLANTIC CITY, NJ

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1959-1978

STATION NAME: ACY ATLANTIC CITY, NJ

CLASS 5 / NIGHT

NO. OBS.: 406

STATION NUMBER: 93730

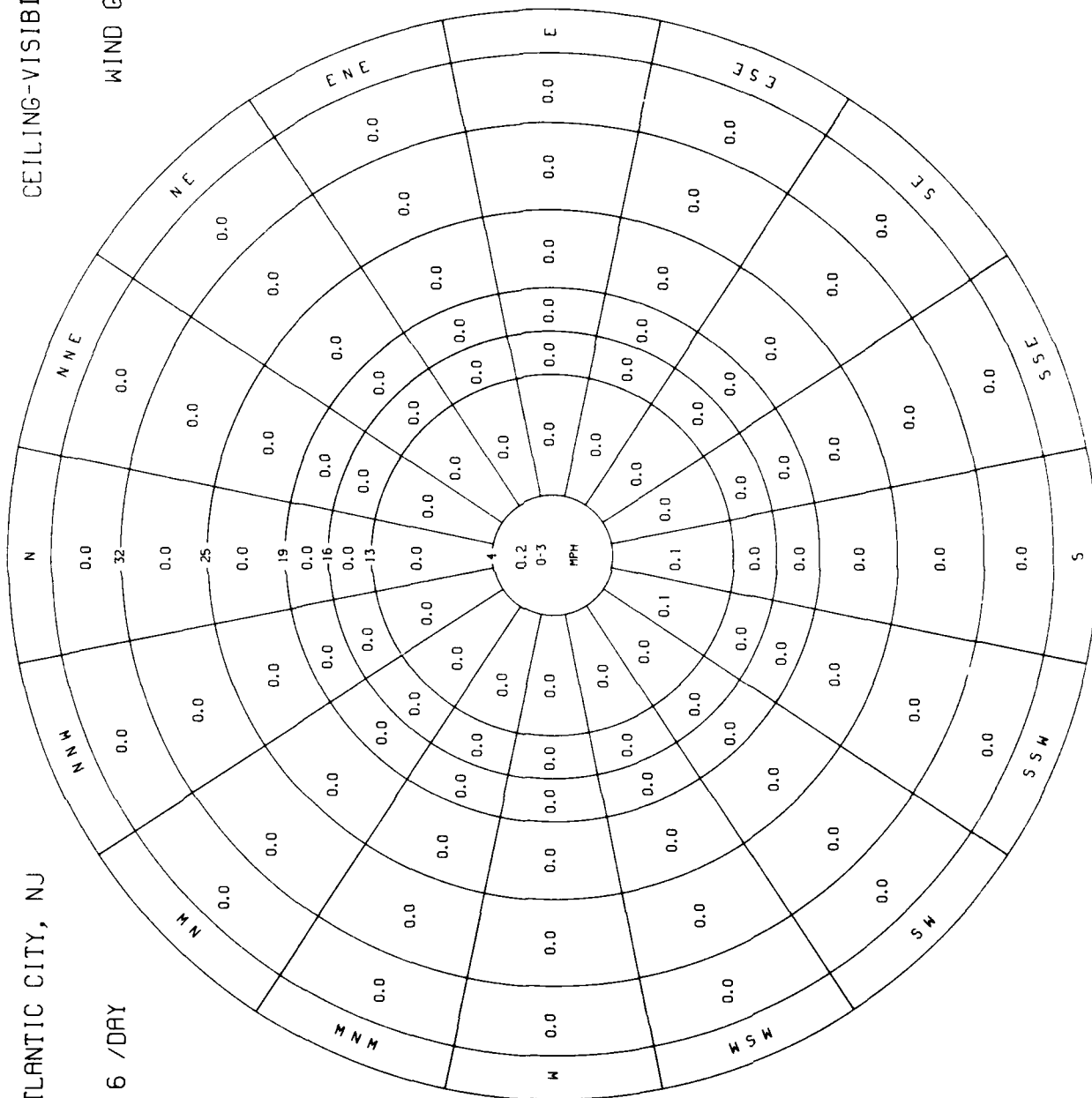
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
															C	D	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.2	.1	4.4	.0	.5	.0	.0	.0	.2	.0	.0	.0	.0	.1	6.4	7.0
NNE	.0	.5	.0	2.7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	3.4	6.5
NE	.0	.0	.1	3.9	.0	1.0	.0	.7	.0	.0	.0	.5	.0	.2	.1	6.4	12.8
ENE	.0	.2	.1	4.9	.0	.7	.0	.5	.0	.5	.0	.0	.0	.0	.1	6.9	9.4
E	.0	.5	.1	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	7.4	7.6
ESE	.0	.2	.1	3.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	8.4
SE	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	8.4
SSE	.0	.0	.1	5.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	6.4	8.2
S	.0	.5	.1	8.4	.0	.5	.0	.5	.0	1.0	.0	.2	.0	.0	.2	11.1	10.0
SSW	.0	.7	.1	4.7	.0	.5	.0	1.0	.0	1.5	.0	.0	.0	.0	.1	8.4	11.1
SW	.0	.5	.1	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.7	6.1
WSW	.0	.2	.1	3.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9	7.3
W	.0	.0	.1	4.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.9	6.8
WNW	.0	.2	.1	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.7	7.0
NW	.0	.2	.0	2.5	.0	.0	.0	.0	.0	.2	.0	.2	.0	.0	.1	3.2	9.9
NNW	.0	1.0	.1	3.9	.0	.0	.0	.5	.0	.0	.0	.5	.0	.0	.1	5.9	9.2
CALM	.2	11.6					.1	3.7					.0	1.5	1.6	100	7.8
TOTAL	.3	17.7	1.1	68.7	.1	4.4	.1	3.7	.1	3.4	.0	1.5	.0	.5	1.6	100	7.8

CEILING-VISIBILITY

WIND GRAPH

ACY ATLANTIC CITY, NJ

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1959-1978

STATION NAME: ACY ATLANTIC CITY, NJ

CLASS 6 / DAY

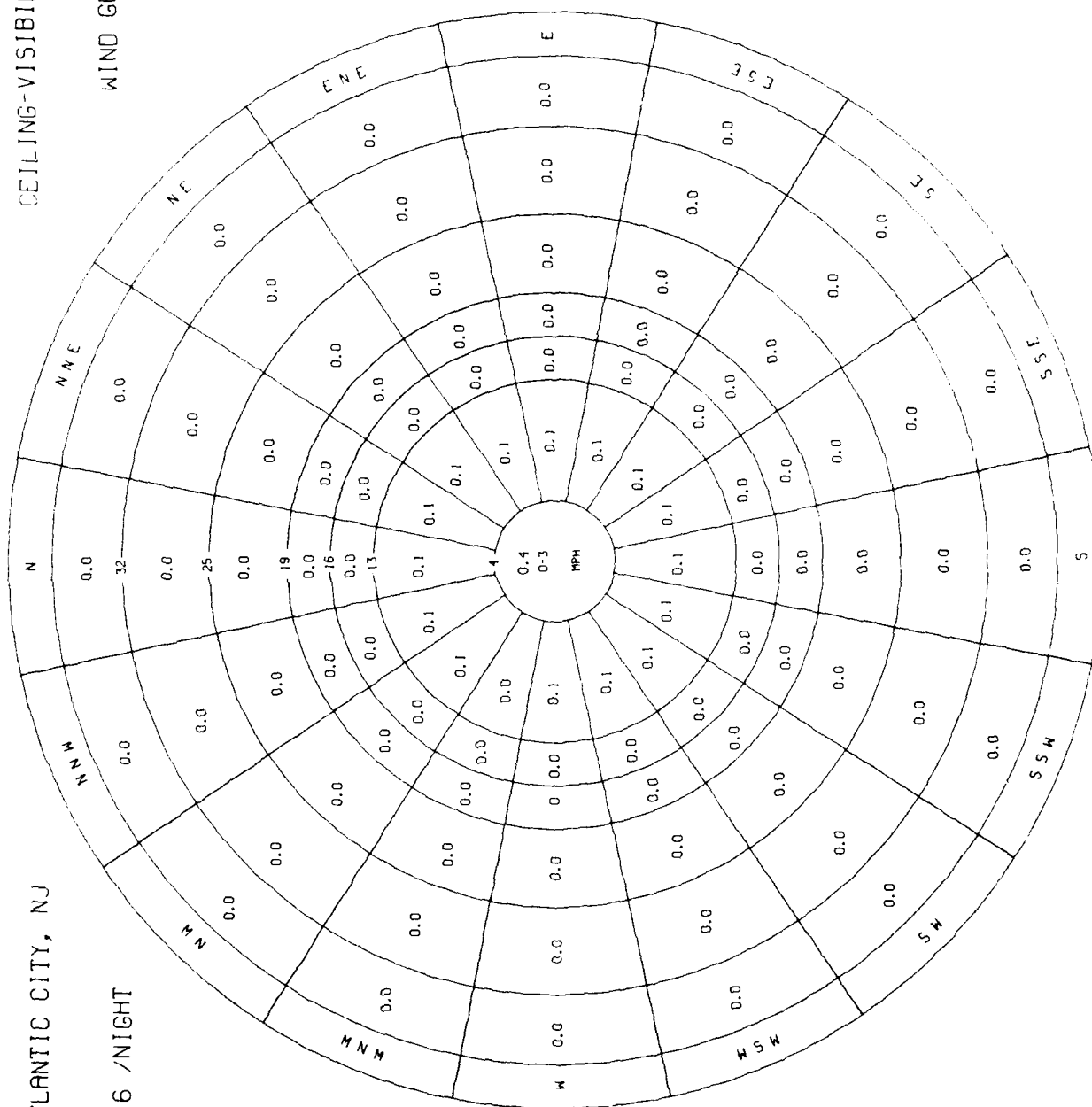
NO. OBS.: 239

STATION NUMBER: 93730

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D
N	.0	1.7	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
NNE	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	1.7
NE	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
ENE	.0	.8	.0	2.9	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	4.6
E	.0	.8	.0	3.8	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
ESE	.0	.8	.0	3.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4
SE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
SSE	.0	.4	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
S	.0	.4	.1	8.8	.0	1.7	.0	.0	.0	.4	.0	.0	.0	.0	.1	11.3
SSW	.0	.8	.1	8.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.6
SW	.0	.0	.0	4.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6
WSW	.0	.4	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8
W	.0	.0	.0	5.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
WNW	.0	.4	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	3.3
NW	.0	.4	.0	3.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	4.6
NNW	.0	.8	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	5.4
CALM	.1	15.1													.1	15.1
TOTAL	.2	23.0	.5	69.5	.0	5.0	.0	.8	.0	.8	.0	.4	.0	.4	.7	100
																6.4

CEILING-VISIBILITY

WIND GRAPH



ACY ATLANTIC CITY, NJ

CLASS 6 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ADY ATLANTIC CITY, NJ

PERIOD: 1959-1978

CLASS 6 / NIGHT

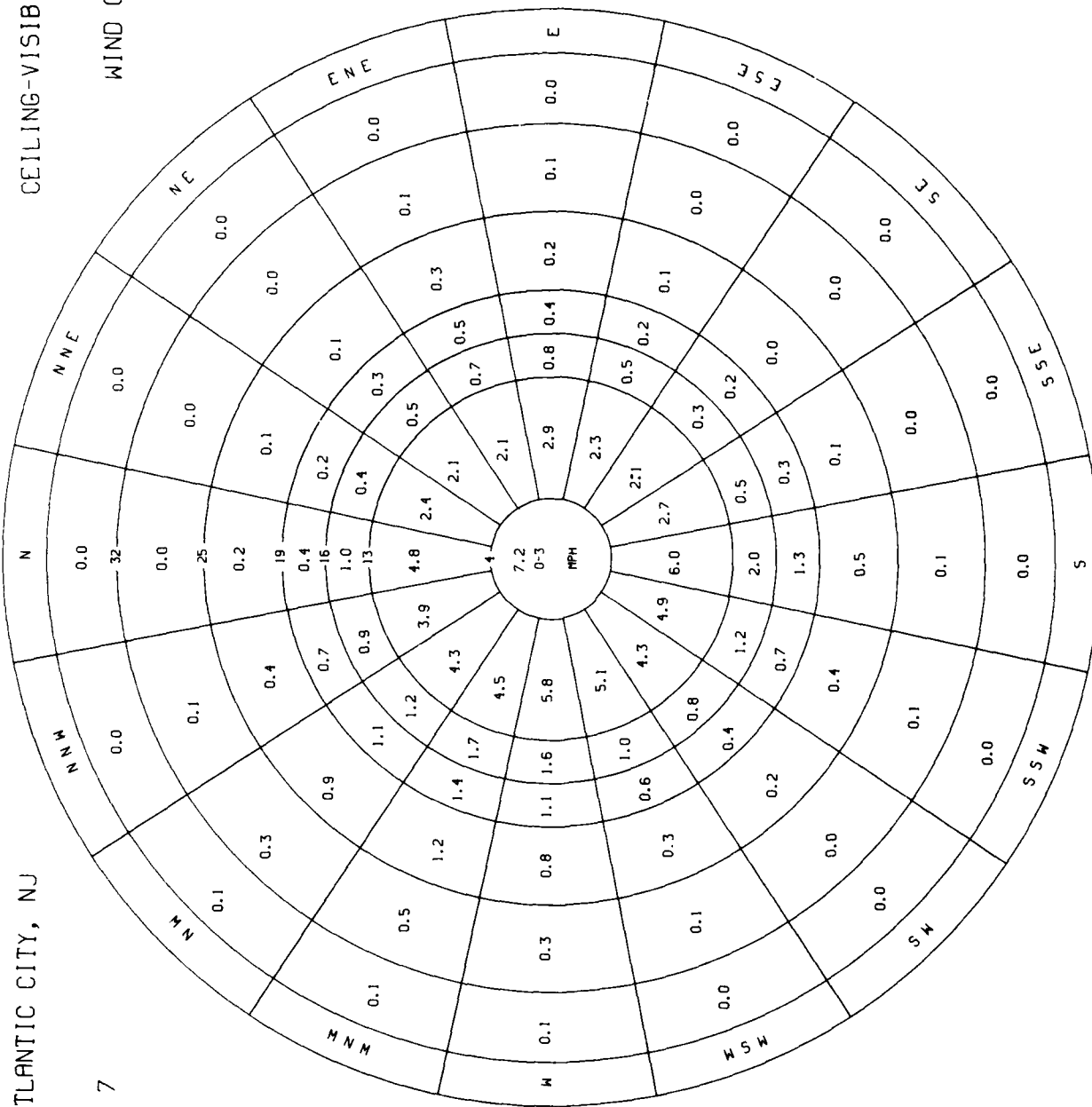
STATION NUMBER: 93730

NO. OBS.: 420

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.0	1.4	.1	6.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.6	6.0
NNE	.0	.0	.1	4.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.8	7.2
NE	.0	.0	.1	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.6	6.9
ENE	.0	.5	.1	3.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	7.0
E	.0	1.0	.1	4.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.2	6.7
ESE	.0	.0	.1	3.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	7.5
SE	.0	.7	.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.8	5.5
SSE	.0	.2	.1	4.5	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	5.2	7.7
S	.0	1.0	.1	8.6	.0	.2	.0	.5	.0	.2	.0	.0	.0	.0	.0	.2	10.5	8.3
SSW	.0	1.0	.1	5.7	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	7.1	7.7
SW	.0	.5	.1	4.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.2	7.1
WSW	.0	.5	.1	4.3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	5.0	6.4
W	.0	1.4	.1	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.8	5.5
WNW	.0	.5	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	6.3
NW	.0	.5	.1	3.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	6.8
NNW	.0	.7	.1	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.2	6.0
CALM	.3	17.4														.3	17.4	
TOTAL	.4	27.1	1.1	69.3	.0	2.1	.0	1.0	.0	.5	.0	.0	.0	.0	.0	1.6	100	5.7

CEILING-VISIBILITY

WIND GRAPH



ACY ATLANTIC CITY, NJ

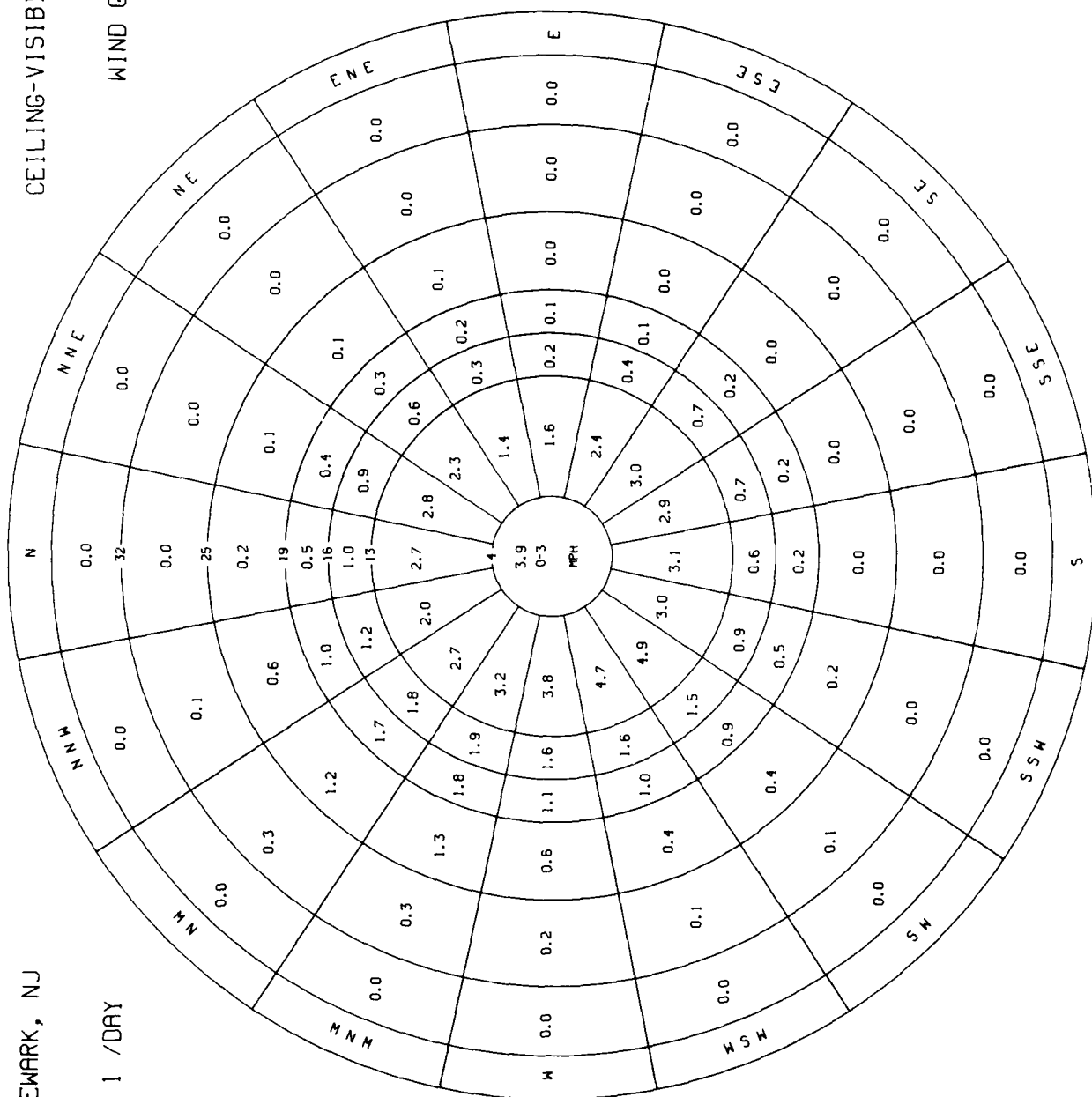
CLASS 7

CEILING-VISIBILITY

WIND GRAPH

EWR NEWARK, NJ

CLASS 1 /DAY



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EWR NEWARK, NJ

PERIOD: 1948-1978

CLASS 1 / DAY

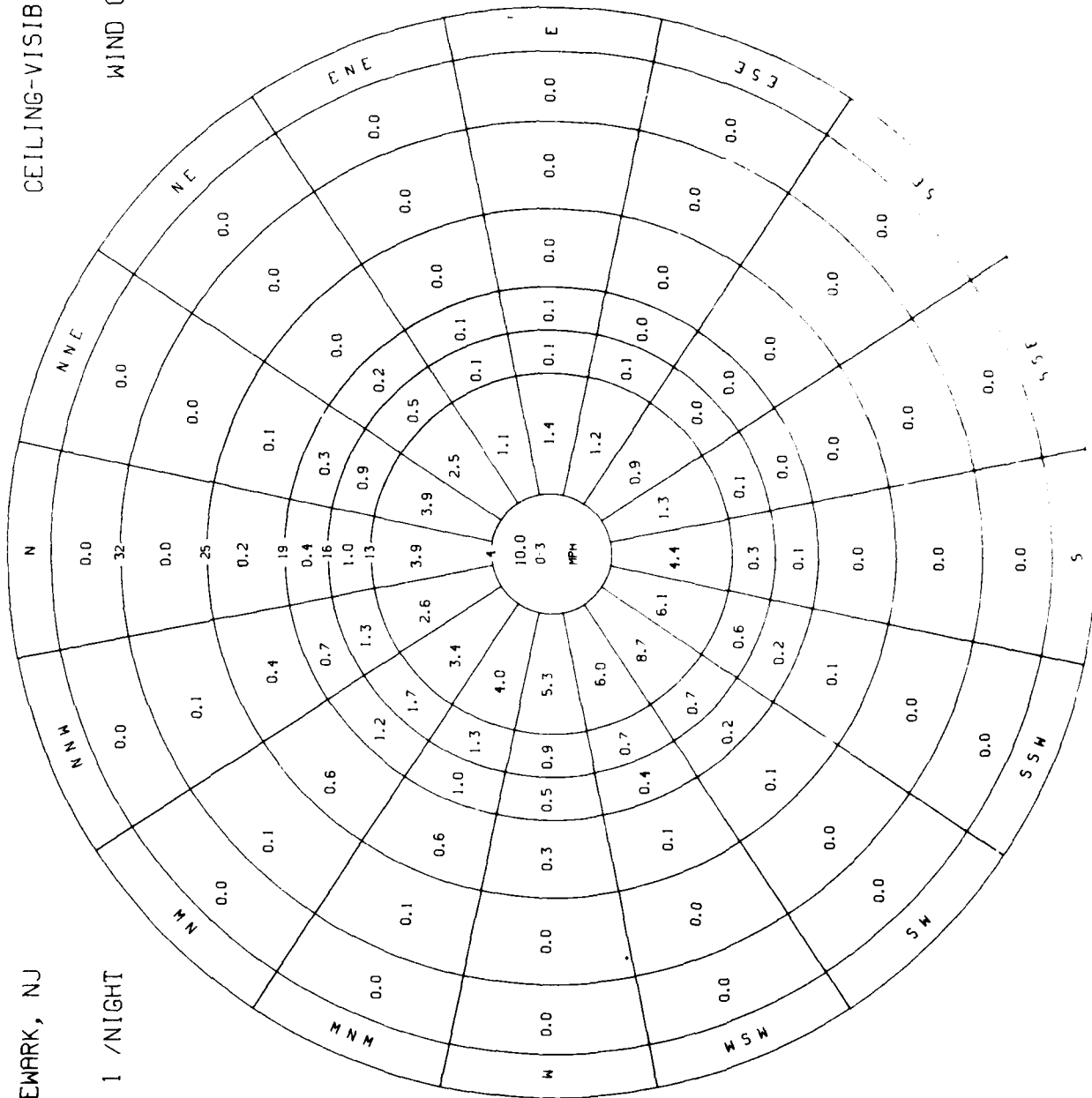
STATION NUMBER: 14734

NO. OBS.: 42305

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D
N	.1	.2	2.7	3.3	1.0	1.1	.5	.6	.2	.2	.0	.0	.0	.0	4.5	5.5
NNE	.1	.2	2.8	3.3	.9	1.0	.4	.5	.1	.2	.0	.0	.0	.0	4.3	5.2
NE	.2	.2	2.3	2.7	.6	.8	.3	.4	.1	.1	.0	.0	.0	.0	3.5	4.2
ENE	.1	.2	1.4	1.7	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.1	2.5
E	.3	.3	1.6	2.0	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.2	2.7
ESE	.2	.3	2.4	2.9	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	3.2	3.9
SE	.2	.2	3.0	3.6	.7	.8	.2	.2	.0	.0	.0	.0	.0	.0	4.1	4.9
SSE	.2	.2	2.9	3.5	.7	.8	.2	.2	.0	.0	.0	.0	.0	.0	4.1	4.9
S	.3	.3	3.1	3.8	.6	.7	.2	.2	.0	.1	.0	.0	.0	.0	4.2	5.0
SSW	.3	.3	3.0	3.6	.9	1.0	.5	.6	.2	.3	.0	.0	.0	.0	4.9	6.0
SW	.4	.5	4.9	5.9	1.5	1.8	.9	1.1	.4	.4	.1	.1	.0	.0	8.2	9.8
WSW	.2	.3	4.7	5.6	1.6	1.9	1.0	1.2	.4	.5	.1	.1	.0	.0	8.1	9.7
W	.2	.3	3.8	4.5	1.6	1.9	1.1	1.3	.6	.8	.2	.2	.0	.0	7.4	9.0
WNW	.1	.2	3.2	3.8	1.9	2.3	1.8	2.2	1.3	1.5	.3	.4	.0	.1	8.7	10.5
NW	.2	.2	2.7	3.3	1.8	2.2	1.7	2.0	1.2	1.4	.3	.4	.0	.0	7.9	9.6
NNW	.1	.1	2.0	2.4	1.2	1.4	1.0	1.3	.6	.7	.1	.2	.0	.0	5.0	6.0
CALM	.5	.7													.5	.7
TOTAL	3.9	4.7	46.4	55.9	15.8	19.0	10.2	12.3	5.3	6.4	1.2	1.5	.1	.2	83.0	100

CLASS 1 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EWR NEWARK, NJ

PERIOD: 1948-19

CLASS 1 / NIGHT

STATION NUMBER: 14734

NO. OBS.: 34004

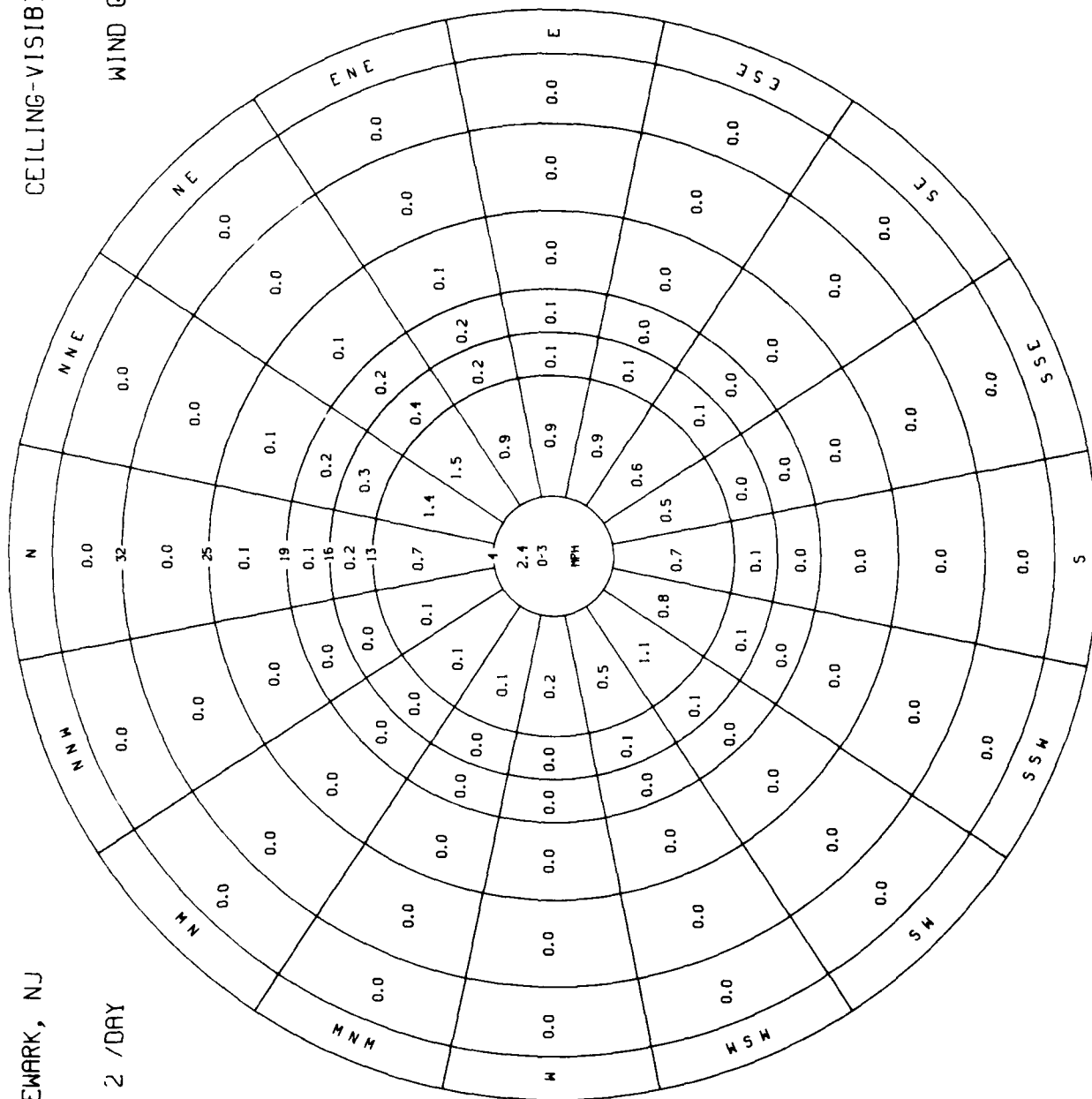
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.3	.3	3.9	4.5	1.0	1.1	.4	.5	.2	.2	.0	.0	.0	.0	5.7 6.7 10.2
NNE	.3	.4	3.9	4.5	.9	1.1	.3	.4	.1	.1	.0	.0	.0	.0	5.6 6.5 9.7
NE	.5	.5	2.5	3.0	.5	.5	.2	.2	.0	.1	.0	.0	.0	.0	3.7 4.4 8.7
ENE	.3	.4	1.1	1.3	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.8 2.1 8.1
E	.5	.5	1.4	1.7	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.1 2.5 7.2
ESE	.3	.3	1.2	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6 1.9 7.5
SE	.2	.3	.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2 1.4 6.5
SSE	.3	.3	1.3	1.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7 2.0 6.9
S	.6	.8	4.4	5.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	5.4 6.3 7.3
SSW	.9	1.1	6.1	7.1	.6	.6	.2	.2	.1	.1	.0	.0	.0	.0	7.9 9.2 7.8
SW	1.6	1.9	8.7	10.1	.7	.9	.2	.2	.1	.1	.0	.0	.0	.0	11.3 13.2 7.4
WSW	.8	1.0	6.0	7.0	.7	.8	.4	.4	.1	.2	.0	.0	.0	.0	8.1 9.4 8.4
W	.7	.8	5.3	6.2	.9	1.0	.5	.6	.3	.3	.0	.1	.0	.0	7.8 9.1 9.3
WNW	.4	.5	4.0	4.6	1.3	1.5	1.0	1.2	.6	.7	.1	.1	.0	.0	7.4 8.6 11.6
NW	.3	.3	3.4	4.0	1.7	2.0	1.2	1.4	.6	.7	.1	.2	.0	.0	7.4 8.7 12.6
NNW	.2	.2	2.6	3.0	1.3	1.5	.7	.9	.4	.4	.1	.1	.0	.0	5.2 6.1 12.3
CALM	1.7	2.0													1.7 2.0
TOTAL	10.0	11.6	56.7	66.3	10.4	12.1	5.5	6.4	2.5	2.9	.5	.6	.1	.1	85.8 100 9.1

CEILING-VISIBILITY

WIND GRAPH

EWB NEWARK, NJ

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EWR NEWARK, NJ

PERIOD: 1948-1978

CLASS 2 / DAY

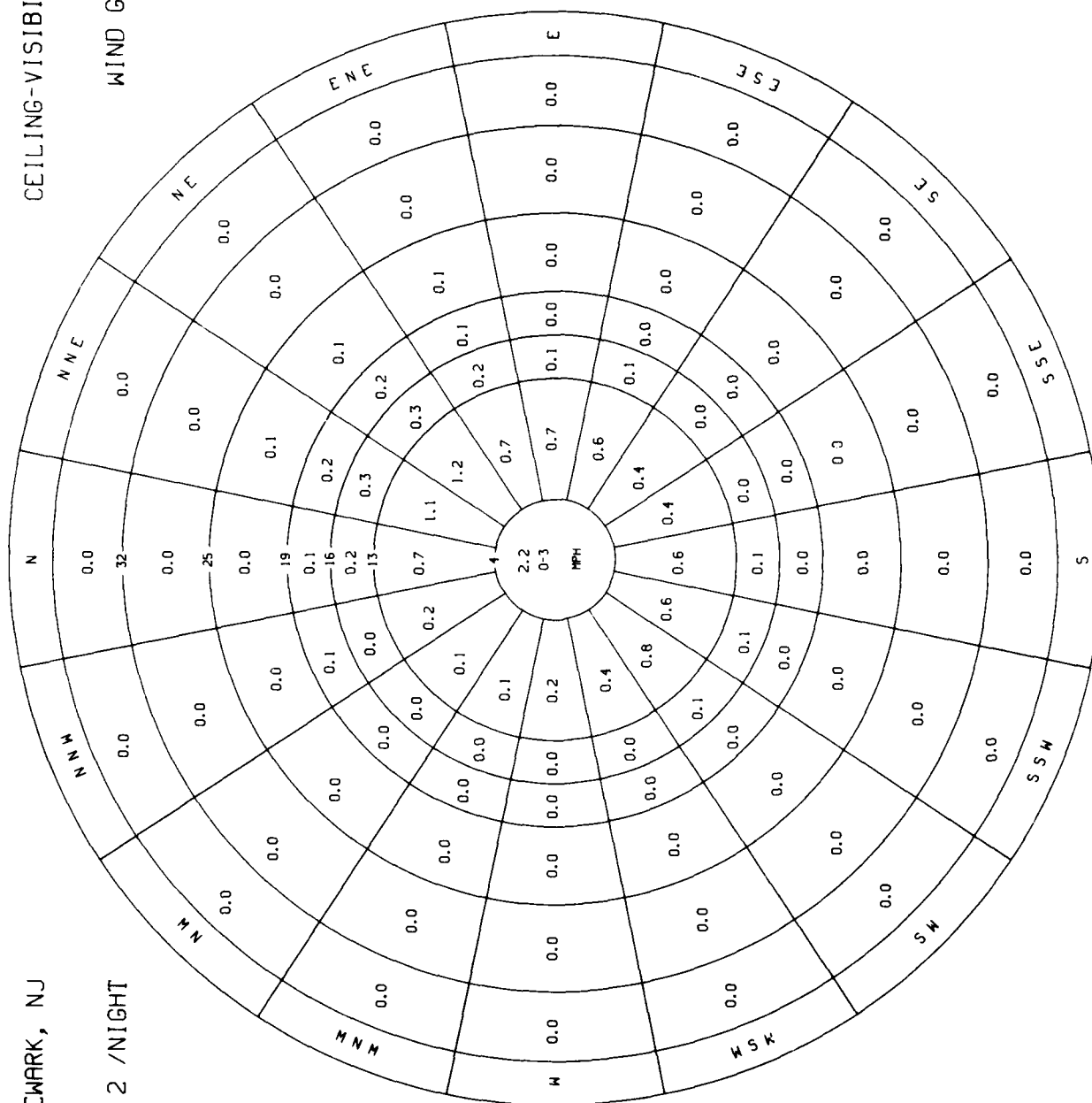
STATION NUMBER: 14734

NO. OBS.: 8658

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.4	.7	4.1	.2	1.3	.1	.5	.1	.3	.0	.1	.0	.0	1.1 6.8
NNE	.1	.6	1.4	8.0	.3	1.9	.2	1.1	.1	.6	.0	.1	.0	.0	2.1 12.4
NE	.2	1.0	1.5	9.0	.4	2.3	.2	1.3	.1	.4	.0	.2	.0	.0	2.4 14.1
ENE	.2	1.1	.9	5.2	.2	1.0	.2	1.1	.1	.5	.0	.1	.0	.0	1.5 8.9
E	.2	1.4	.9	5.2	.1	.6	.1	.4	.0	.1	.0	.0	.0	.0	1.3 7.9
ESE	.1	.7	.9	5.0	.1	.6	.0	.3	.0	.1	.0	.1	.0	.0	1.2 6.9
SE	.1	.8	.6	3.3	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.8 4.8
SSE	.1	.4	.5	3.0	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.7 4.0
S	.1	.8	.7	4.3	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	1.0 5.7
SSW	.2	1.0	.8	4.7	.1	.6	.0	.3	.0	.2	.0	.1	.0	.0	1.1 6.7
SW	.3	1.6	1.1	6.6	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	1.6 9.2
WSW	.1	.7	.5	2.9	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.7 4.4
W	.1	.4	.2	1.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.0
WNW	.0	.3	.1	.9	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.2 1.4
NW	.0	.3	.1	.5	.0	.1	.0	.1	.0	.1	.0	.1	.0	.0	.2 1.1
NNW	.0	.2	.1	.8	.0	.1	.0	.2	.0	.2	.0	.0	.0	.0	.3 1.6
CALM	.4	2.1													.4 2.1
TOTAL	2.4	13.9	11.0	64.8	1.9	11.0	1.1	6.3	.5	3.1	.2	.9	.0	.1	17.0 100
															8.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EWR NEWARK, NJ

PERIOD: 1948-1978

CLASS 2 / NIGHT

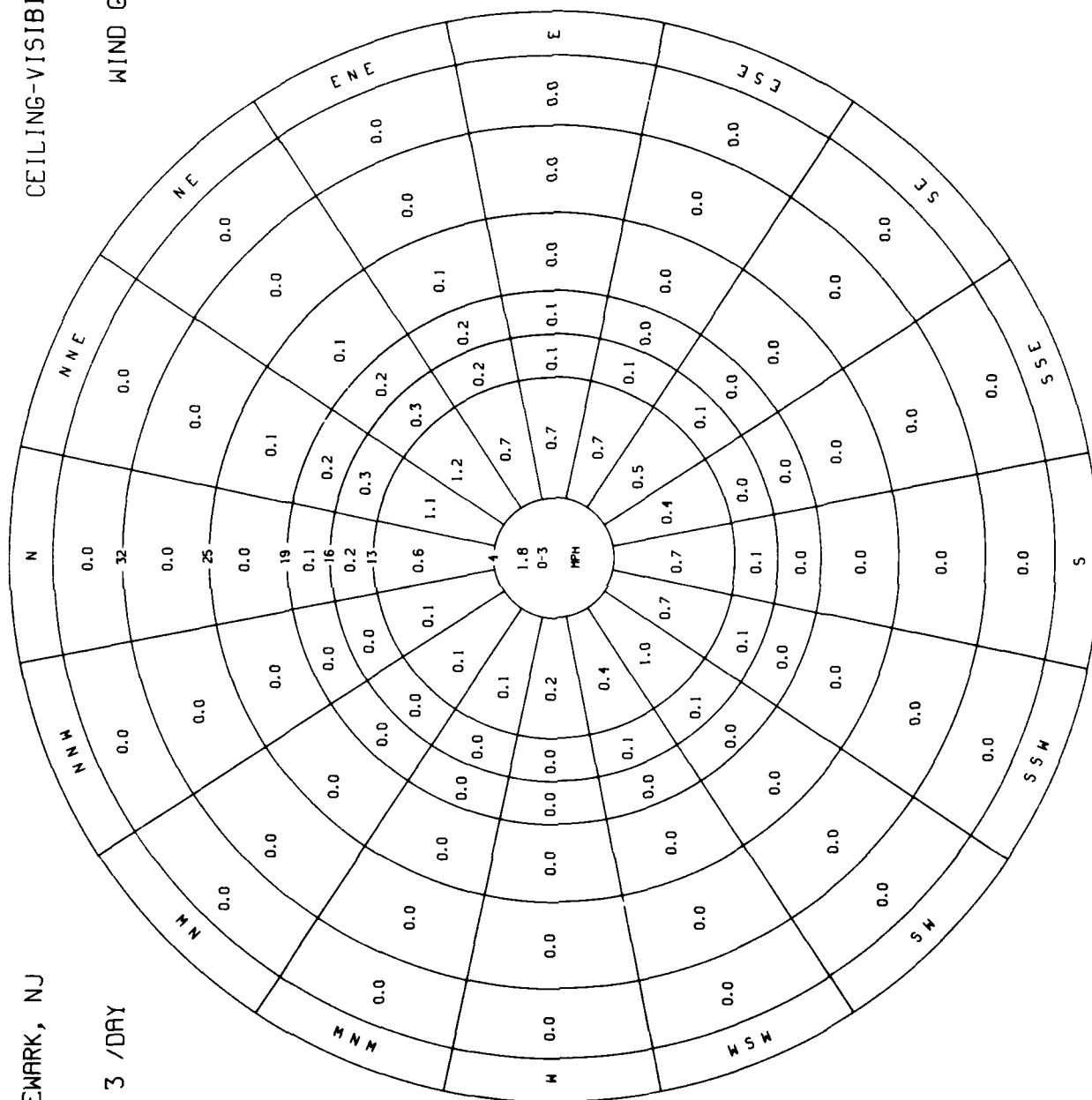
STATION NUMBER: 14734

NO. OBS.: 5612

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.1	.5	.7	5.0	.2	1.3	.1	.6	.0	.3	.0	.1	.0	.0	1.1	7.9	10.5
NNE	.1	.7	1.1	7.7	.3	2.4	.2	1.6	.1	.7	.0	.1	.0	.1	1.9	13.1	11.2
NE	.2	1.2	1.2	8.6	.3	2.2	.2	1.2	.1	.7	.0	.1	.0	.0	2.0	14.0	10.2
ENE	.1	.7	.7	4.7	.2	1.6	.1	.9	.1	.5	.0	.0	.0	.1	1.2	8.4	10.7
E	.2	1.5	.7	4.9	.1	.6	.0	.3	.0	.2	.0	.0	.0	.0	1.1	7.7	7.9
ESE	.1	.9	.6	4.3	.1	.5	.0	.3	.0	.2	.0	.1	.0	.0	.9	6.3	8.6
SE	.1	.6	.4	3.1	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.6	4.3	7.8
SSE	.1	.5	.4	2.7	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.5	3.8	8.3
S	.1	.9	.6	4.5	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.9	6.0	7.7
SSW	.1	1.0	.6	4.0	.1	.6	.0	.2	.0	.2	.0	.0	.0	.0	.9	6.0	8.0
SW	.2	1.5	.8	5.5	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	1.1	7.9	7.3
WSW	.1	.6	.4	3.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.6	4.0	7.4
W	.1	.6	.2	1.5	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.3	7.0
WNW	.1	.4	.1	.7	.0	.1	.0	.1	.0	.1	.0	.1	.0	.0	.2	1.4	8.1
NW	.1	.4	.1	.6	.0	.1	.0	.1	.0	.1	.0	.1	.0	.0	.2	1.4	9.4
NNW	.0	.2	.2	1.2	.0	.3	.1	.4	.0	.2	.0	.0	.0	.0	.3	2.2	11.1
CALM	.5	3.3													.5	3.3	
TOTAL	2.2	15.4	8.8	62.0	1.6	11.6	.9	6.5	.5	3.6	.1	.7	.0	.2	14.2	100	8.9

CEILING-VISIBILITY

WIND GRAPH



EWR NEWARK, NJ

CLASS 3 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EWR NEWARK, NJ

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 14734

NO. OBS.: 7288

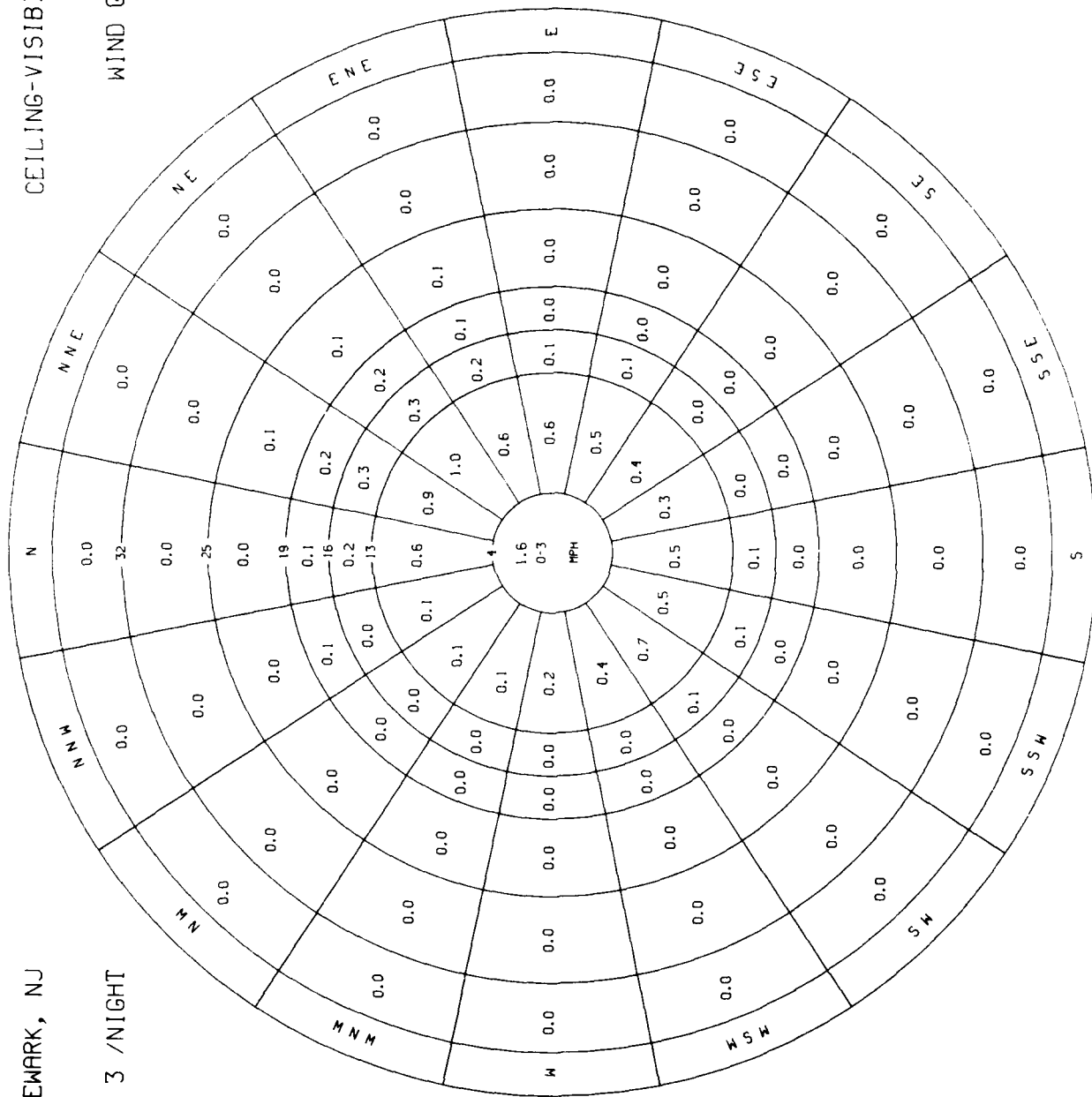
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.6	3.9	.2	1.3	.1	.6	.0	.3	.0	.1	.0	.0	.9 6.6
NNE	.1	.5	1.1	7.4	.3	2.0	.2	1.2	.1	.5	.0	.1	.0	.0	1.7 11.7
NNE	.1	.7	1.2	8.3	.3	2.1	.2	1.4	.1	.4	.0	.1	.0	.0	1.9 13.1
ENE	.1	.9	.7	5.1	.2	1.1	.2	1.2	.1	.5	.0	.1	.0	.0	1.3 8.9
E	.2	1.3	.7	5.2	.1	.7	.1	.5	.0	.1	.0	.1	.0	.0	1.1 7.9
ESE	.1	.6	.7	5.2	.1	.7	.0	.3	.0	.2	.0	.1	.0	.0	1.0 7.1
SE	.1	.7	.5	3.6	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.7 5.1
SSE	.1	.4	.4	3.1	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6 4.1
S	.1	.8	.7	4.6	.1	.4	.0	.2	.0	.2	.0	.0	.0	.0	.9 6.1
SSW	.1	.9	.7	4.9	.1	.7	.0	.3	.0	.2	.0	.1	.0	.0	1.0 7.0
SW	.2	1.5	1.0	7.0	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	1.4 9.7
WSW	.1	.7	.4	3.1	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.7 4.7
W	.0	.3	.2	1.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.0
WNW	.0	.3	.1	1.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.2 1.5
NW	.0	.3	.1	.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2 1.1
NNW	.0	.2	.1	.8	.0	.1	.0	.3	.0	.2	.0	.0	.0	.0	.2 1.6
CALM	.3	2.0													.3 2.0
TOTAL	1.8	12.4	9.3	64.9	1.7	11.6	1.0	7.0	.4	3.1	.1	.8	.0	.1	14.3 100
															9.2

CEILING-VISIBILITY

WIND GRAPH

EWR NEWARK, NJ

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EWR NEWARK, NJ

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 14734

NO. OBS.: 4726

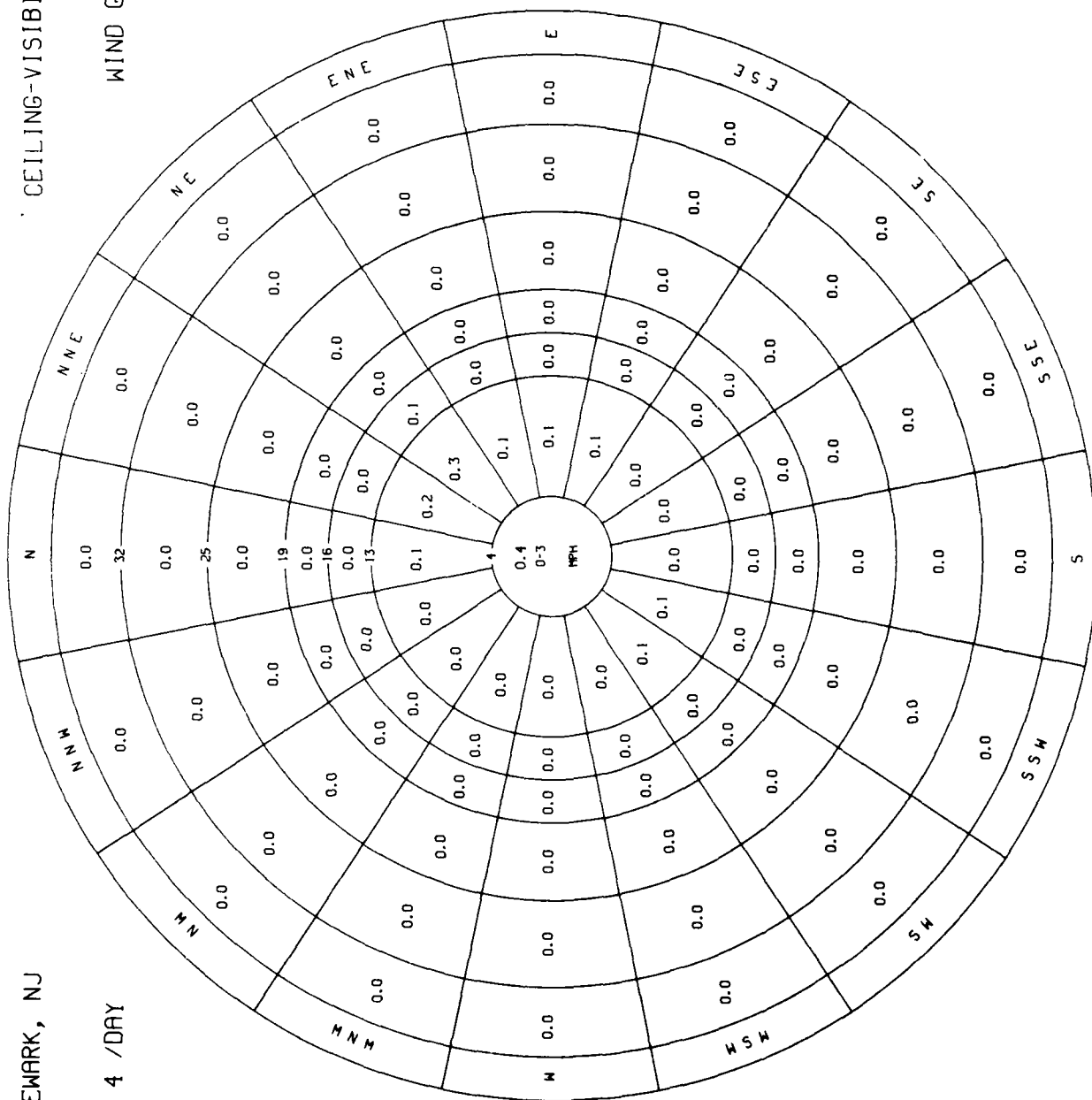
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.4	.6	4.9	.2	1.4	.1	.7	.0	.4	.0	.1	.0	.0	.3 7.9
NNE	.1	.7	.9	7.3	.3	2.5	.2	1.7	.1	.6	.0	.1	.0	.0	1.5 13.0
NE	.1	1.1	1.0	8.3	.3	2.4	.2	1.4	.1	.7	.0	.1	.0	.0	1.7 13.9
ENE	.1	.6	.6	4.6	.2	1.8	.1	1.0	.1	.6	.0	.0	.0	.1	1.0 8.6
E	.2	1.3	.6	4.8	.1	.7	.0	.4	.0	.3	.0	.0	.0	.0	.9 7.4
ESE	.1	.8	.5	4.2	.1	.5	.0	.4	.0	.2	.0	.1	.0	.0	.7 6.3
SE	.1	.5	.4	3.2	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.5 4.3
SSE	.0	.4	.3	2.8	.0	.4	.0	.2	.0	.2	.0	.0	.0	.0	.5 4.0
S	.1	.8	.5	4.5	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.7 6.2
SSW	.1	1.0	.5	4.2	.1	.7	.0	.2	.0	.2	.0	.0	.0	.0	.8 6.3
SW	.2	1.3	.7	5.5	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.9 7.8
WSW	.1	.5	.4	3.0	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.5 4.0
W	.1	.6	.2	1.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.5
WNW	.0	.3	.1	.7	.0	.1	.0	.1	.0	.1	.0	.1	.0	.0	.2 1.3
NW	.1	.4	.1	.7	.0	.1	.0	.1	.0	.1	.0	.1	.0	.0	.2 1.5
NNW	.0	.2	.1	1.2	.0	.3	.1	.4	.0	.1	.0	.0	.0	.0	.3 2.4
CALM	.3	2.5													.3 2.5
TOTAL	1.6	13.5	7.3	61.5	1.5	12.9	.9	7.4	.4	3.8	.1	.7	.0	.2	11.9 100

CEILING-VISIBILITY

WIND GRAPH

EWB NEWARK, NJ

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EWR NEWARK, NJ

PERIOD: 1948-1978

CLASS 4 / DAY

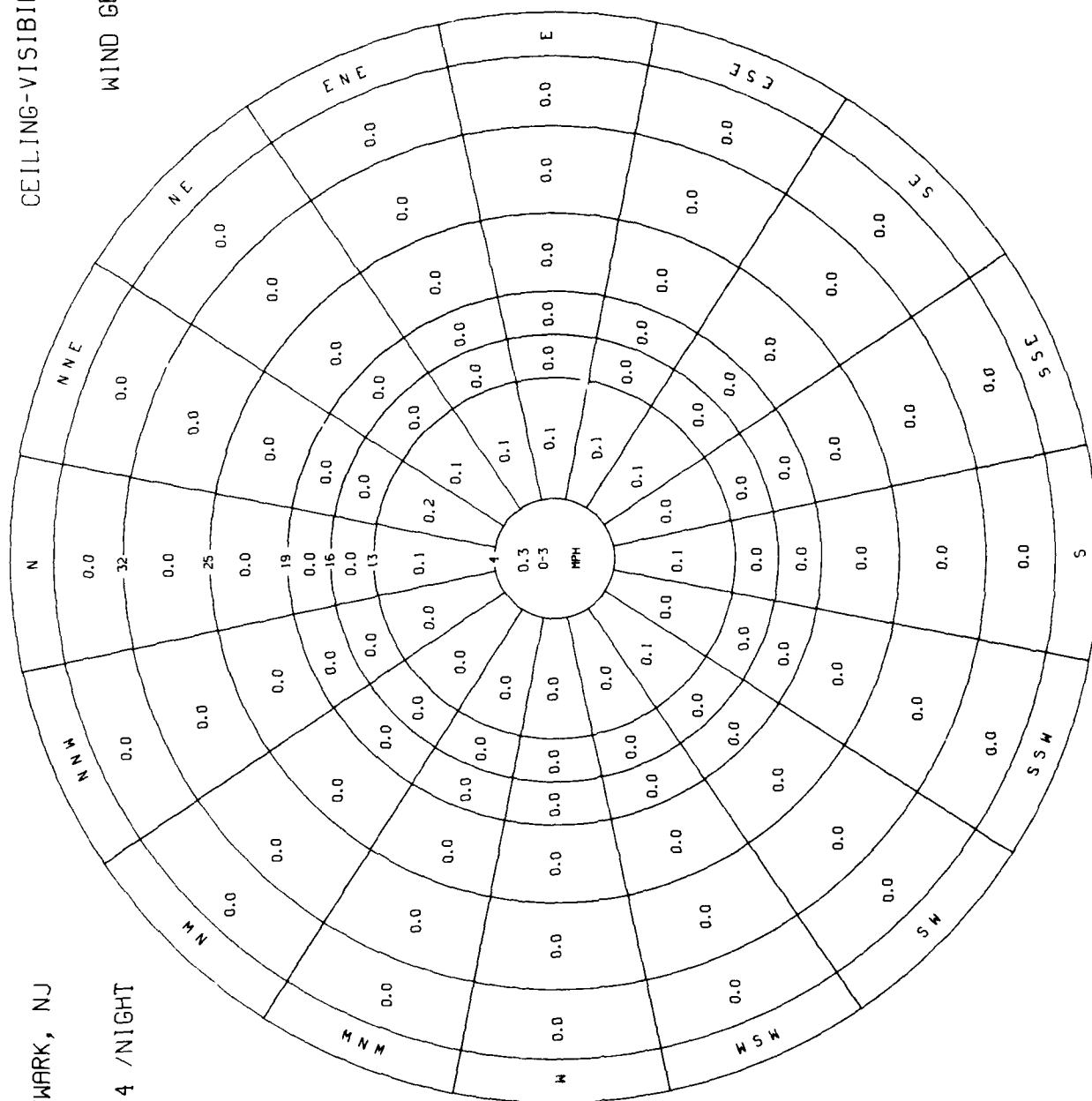
STATION NUMBER: 14734

NO. OBS.: 1025

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.0	.1	4.8	.0	1.5	.0	.3	.0	.3	.0	.1	.0	.0	.2 7.9
NNE	.0	1.1	.2	12.2	.0	1.7	.0	.8	.0	1.6	.0	.3	.0	.0	.4 17.6
NENE	.0	2.2	.3	13.6	.1	3.0	.0	.8	.0	.4	.0	.4	.0	.0	.4 20.4
ENE	.1	2.5	.1	6.6	.0	.5	.0	.6	.0	.2	.0	.0	.0	.0	.2 10.4
E	.0	1.9	.1	5.1	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.2 7.6
ESE	.0	1.4	.1	4.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.0
SE	.0	1.3	.0	2.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.7
SSE	.0	.8	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.0
S	.0	.5	.0	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.8
SSW	.0	1.2	.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.3
SW	.0	1.8	.1	3.6	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.1 5.9
WSW	.0	.4	.0	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
W	.0	.4	.0	1.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0 2.0
WNW	.0	.4	.0	.4	.0	.2	.0	.1	.0	.2	.0	.0	.0	.0	.0 1.3
NW	.0	.4	.0	.3	.0	.1	.0	.2	.0	.1	.0	.1	.0	.0	.0 1.2
NNW	.0	.1	.0	1.3	.0	.2	.0	.0	.0	.2	.0	.1	.0	.0	.0 1.9
CALM	.0	2.0													.0 2.0
TOTAL	.4	19.2	1.3	65.2	.2	8.8	.1	2.8	.1	3.0	.0	1.0	.0	.0	2.0 100

EWING NEWARK, NJ

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EWR NEWARK, NJ

PERIOD: 1948-1978

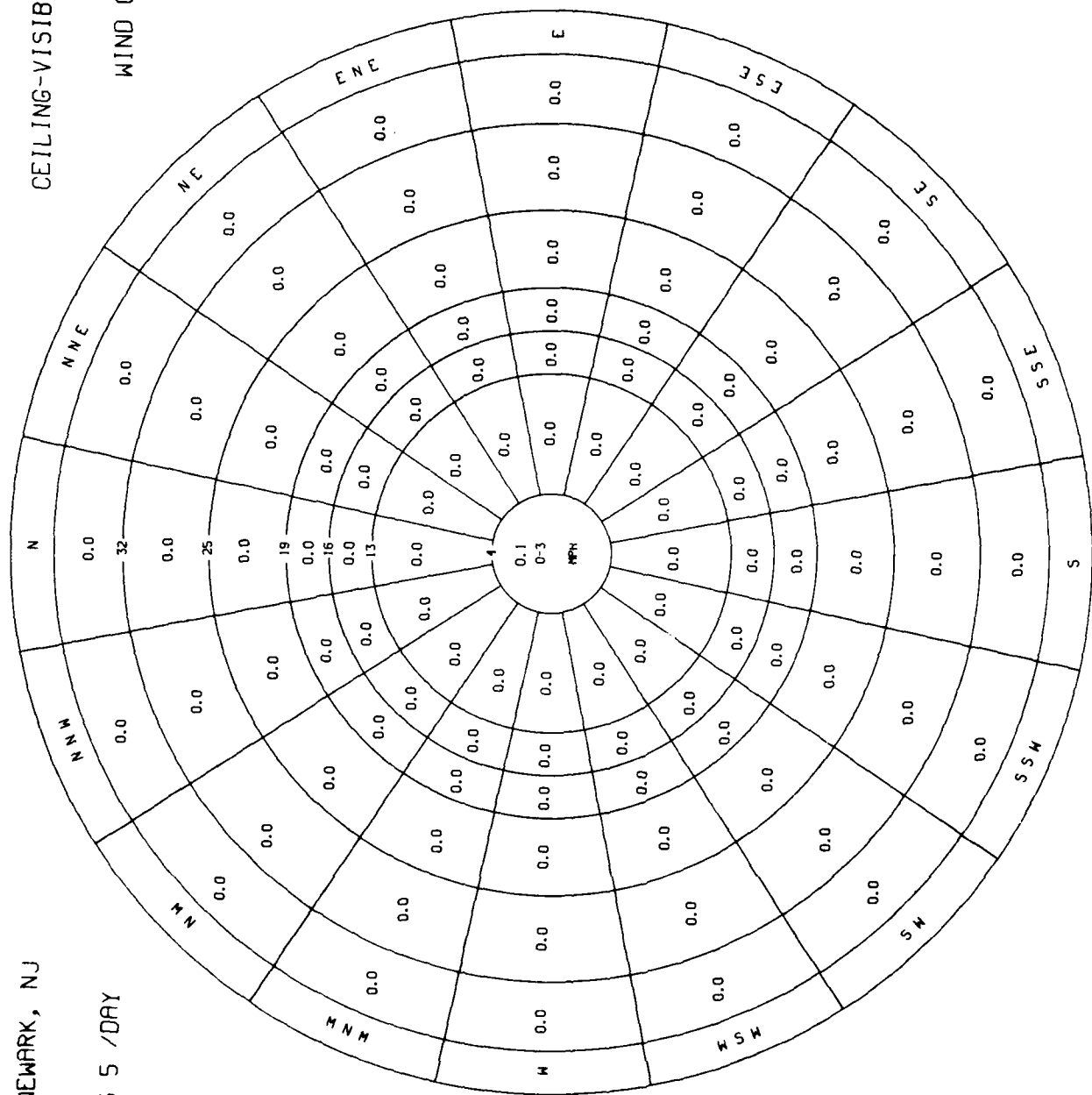
CLASS 4 / NIGHT

STATION NUMBER: 14734

NO. OBS.: 570

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.5	.1	6.7	.0	.7	.0	.2	.0	.0	.0	.4	.0	.2	.1 8.6
NNE	.0	.7	.2	11.9	.0	2.3	.0	1.4	.0	1.1	.0	.2	.0	.2	.3 17.7
NE	.0	1.9	.1	9.6	.0	1.4	.0	.5	.0	.7	.0	.0	.0	.0	.2 14.2
ENE	.0	1.8	.1	5.4	.0	.7	.0	.4	.0	.2	.0	.0	.0	.0	.1 8.4
E	.0	2.6	.1	4.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.5
ESE	.0	.9	.1	5.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.3
SE	.0	1.6	.1	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.1
SSE	.0	1.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.2
S	.0	.7	.1	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.3
SSW	.0	1.2	.0	2.3	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.1 3.9
SW	.0	1.6	.1	4.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.5
WSW	.0	.5	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.5
W	.0	.0	.0	.7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0 .9
WNW	.0	.4	.0	1.1	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0 1.6
NW	.0	.2	.0	.4	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0 .9
NNW	.0	.4	.0	.5	.0	.2	.0	.0	.0	.4	.0	.0	.0	.0	.0 1.4
CALM	.1	5.1													.1 5.1
TOTAL	.3	21.4	1.0	66.1	.1	6.3	.0	2.6	.0	2.6	.0	.5	.0	.4	1.4 100
															7.5

EWR NEWARK, NJ
 CLASS 5 /DAY
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EWR NEWARK, N.J.

PERIOD: 1948-1978

CLASS 5 / DAY

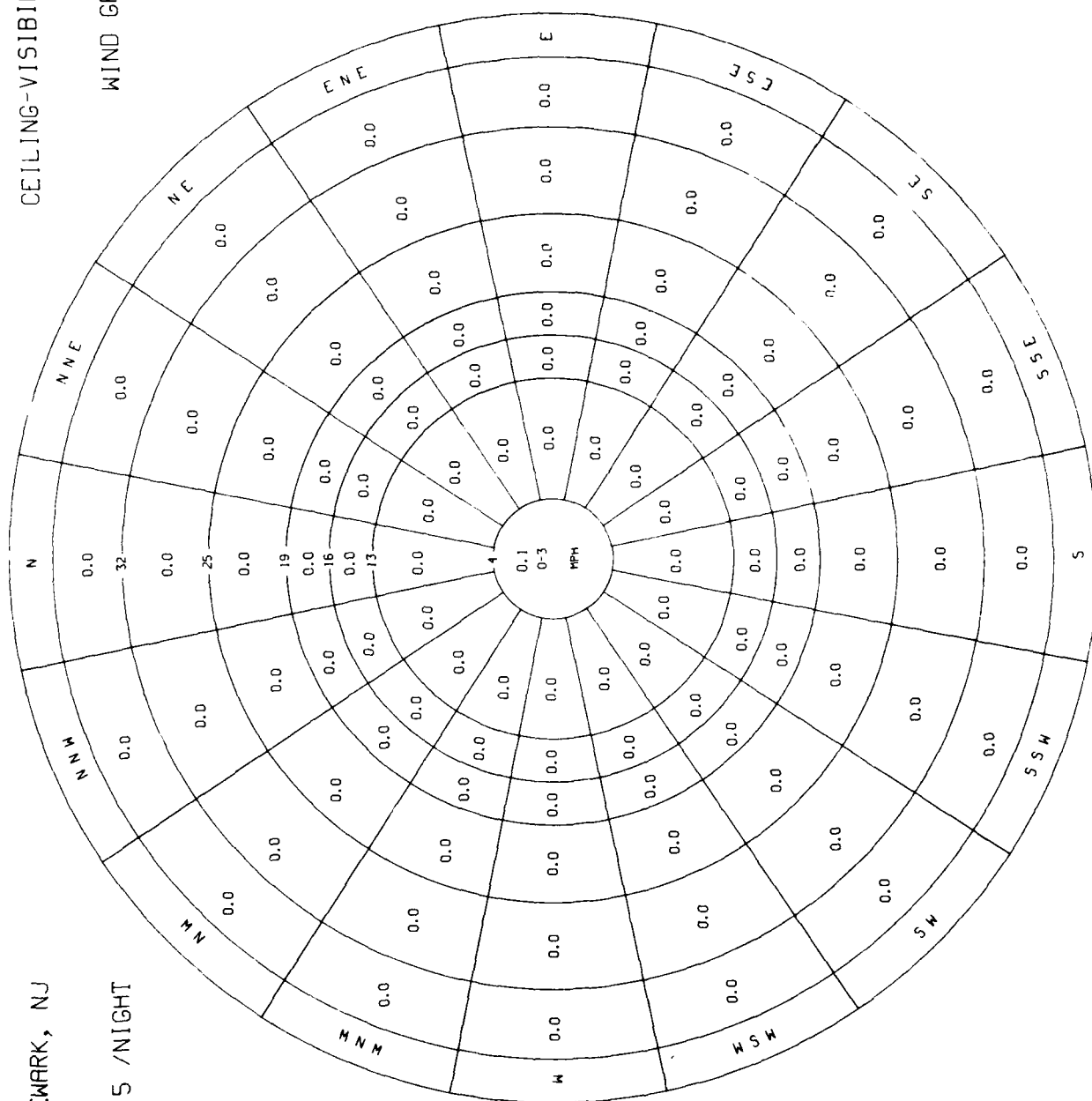
STATION NUMBER: 14734

NO. OBS.: 183

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.5	.0	3.8	.0	.5	.0	1.1	.0	.0	.0	.5	.0	.0	.0	.0	6.6	10.9
NNE	.0	1.1	.0	12.0	.0	1.1	.0	.5	.0	1.6	.0	.0	.0	.0	.0	.1	16.4	9.7
NE	.0	3.3	.0	9.8	.0	3.3	.0	1.1	.0	.0	.0	.5	.0	.0	.0	.1	18.0	9.3
ENE	.0	1.1	.0	2.7	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	4.4	7.9
E	.0	2.7	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.4	6.3
ESE	.0	1.6	.0	6.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	8.2	6.7
SE	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	3.0
SSE	.0	1.6	.0	3.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	6.1
S	.0	1.6	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	5.8
SSW	.0	1.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	5.6
SW	.0	2.2	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	5.7
WSW	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.0
W	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	1.1	18.0
WNW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	1.1	22.0
NW	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	2.2	10.5
NNW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	1.6	9.0
CALM	.0	2.7														.0	2.7	
TOTAL	1	23.0	.2	62.8	.0	5.5	.0	3.3	.0	2.2	.0	2.7	.0	.5	.4	10.0		7.9

CEILING-VISIBILITY

WIND GRAPH



EWR NEWARK, NJ

CLASS 5 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EWR NEWARK, N.J.

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 14734

NO. OBS.: 146

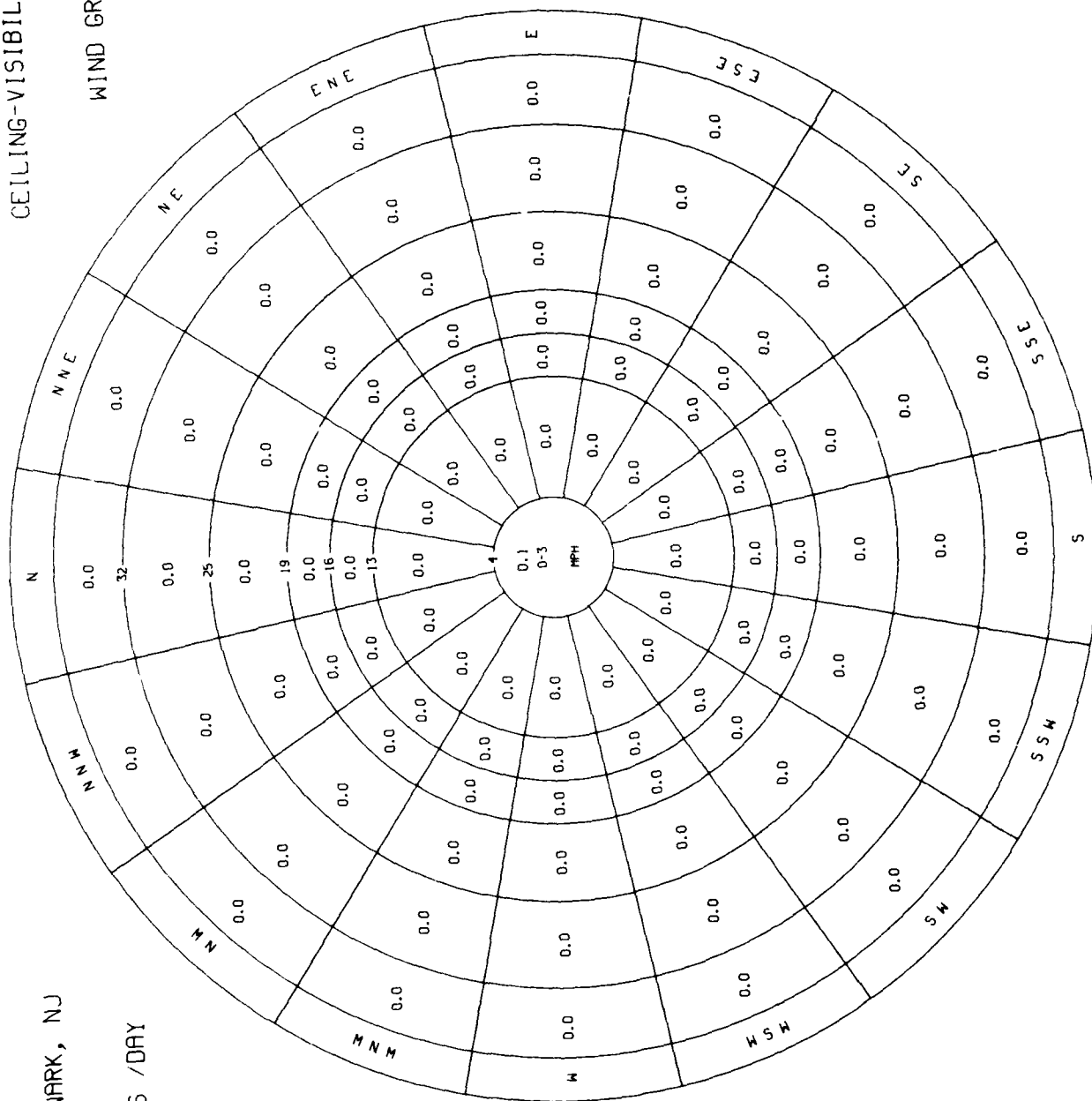
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.7	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0 6.2 8.3
NNE	.0	.0	.0	5.5	.0	2.1	.0	.0	.0	1.4	.0	.0	.0	.0	.0 8.9 11.5
NE	.0	1.4	.0	4.3	.0	.0	.0	.7	.0	2.1	.0	.0	.0	.0	.1 16.4 8.9
ENE	.0	.7	.0	5.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.8 6.6
E	.0	2.7	.0	7.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0 11.0 5.8
ESE	.0	2.1	.0	6.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.9 5.8
SE	.0	.7	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.8 6.1
SSE	.0	1.4	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.8 5.0
S	.0	2.1	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.5 4.8
SSW	.0	1.4	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.5 5.0
SW	.0	1.4	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.8 5.8
WSW	.0	.7	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1 5.7
W	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4 7.0
WNW	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4 5.5
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0 .0
NNW	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4 5.5
CALM	.0	8.2													.0 8.2
TOTAL	1	24.0	2	67.8	.0	3.4	.0	.7	.0	3.4	.0	.7	.0	.0	.4 100 6.4

CEILING-VISIBILITY

WIND GRAPH

EWB NEWARK, NJ

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EWR NEWARK, NJ

PERIOD: 1948-1978

CLASS 6 / DAY

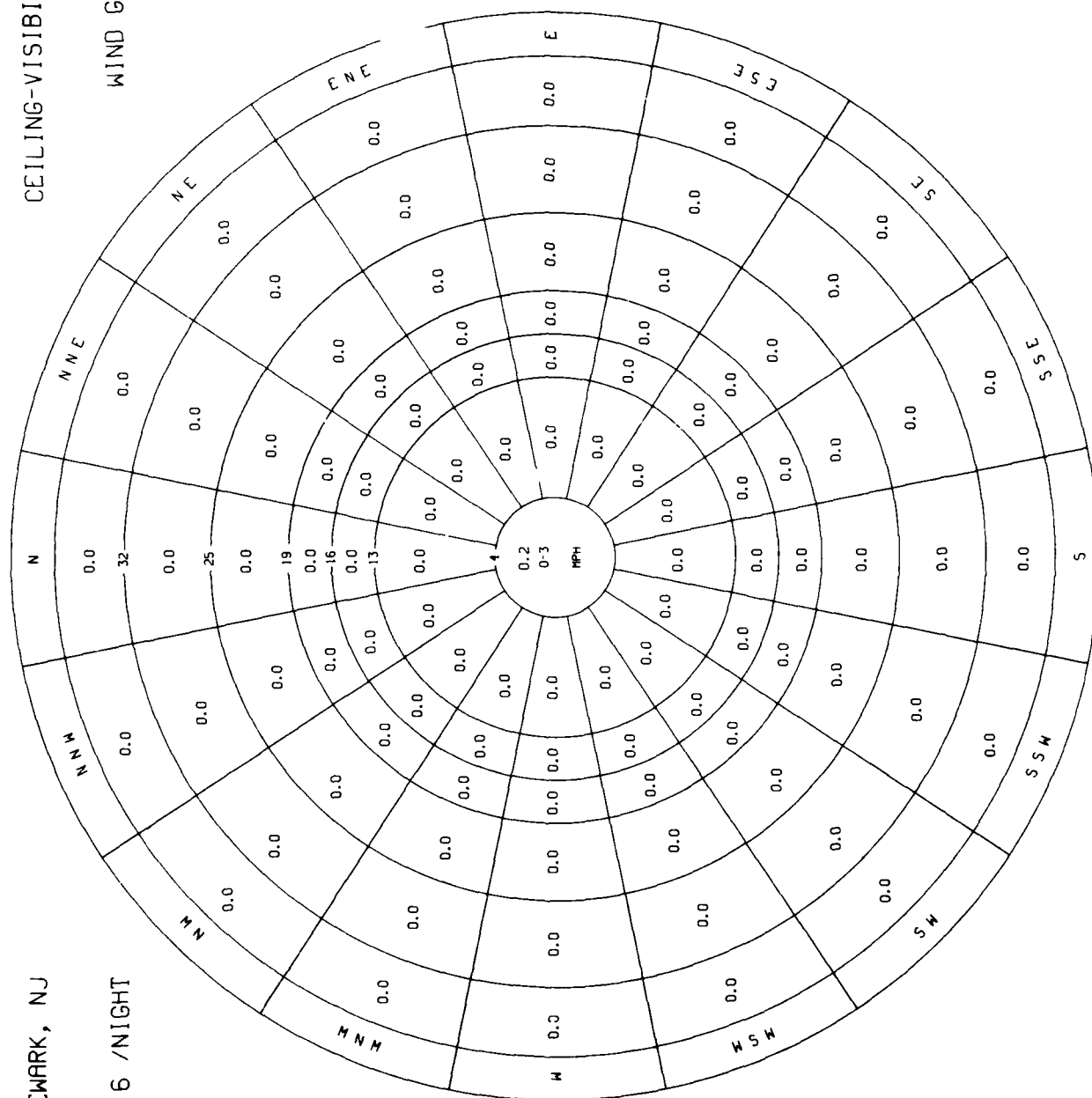
STATION NUMBER: 14734

NO. OBS.: 162

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.6	.0	6.8	.0	.0	.0	.6	.0	.6	.0	.0	.0	.0	8.6
NNE	.0	1.9	.0	6.2	.0	.0	.0	.6	.0	.6	.0	.6	.0	.0	9.9
NNE	.0	4.3	.0	7.4	.0	1.9	.0	.0	.0	.6	.0	.6	.0	.0	14.8
ENE	.0	1.9	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3
E	.0	3.1	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0
ESE	.0	1.2	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1
SE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
SSE	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
S	.0	1.9	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3
SSW	.0	3.1	.0	8.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7
SW	.0	2.5	.0	9.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7
WSW	.0	1.9	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9
W	.0	1.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1
WNW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	1.9
CALM	.0	9.9													9.9
TOTAL	.1	35.2	.2	58.0	.0	1.9	.0	1.2	.0	1.9	.0	1.9	.0	.0	5.9

EWR NEWARK, NJ

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EWR NEWARK, NJ

PERIOD: 1948-1978

CLASS 6 / NIGHT

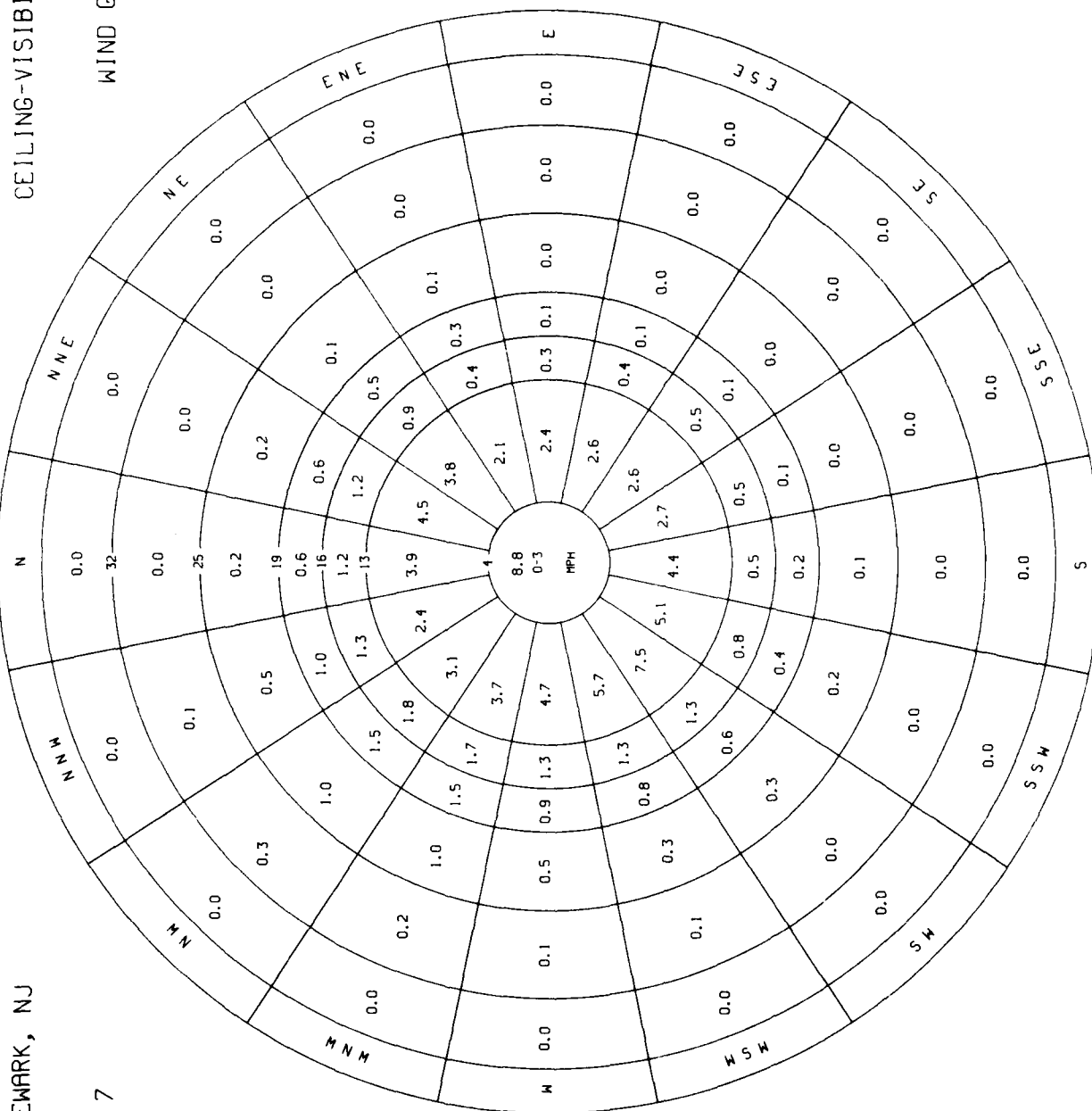
STATION NUMBER: 14734

NO. OBS.: 170

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.2	.0	4.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.9
NNE	.0	.0	.0	4.1	.0	.0	.0	.6	.0	1.2	.0	.0	.0	.0	.0 5.9
NE	.0	1.8	.0	10.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 12.4
ENE	.0	.6	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
E	.0	4.1	.0	7.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.8
ESE	.0	.6	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
SE	.0	1.2	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
SSE	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
S	.0	2.9	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.9
SSW	.0	1.2	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.3
SW	.0	7.1	.0	7.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 14.7
WSW	.0	2.4	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.1
W	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
WNW	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
NW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
NNW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
CALM	.1	13.5													.1 13.5
TOTAL	.2	40.6	.2	56.5	.0	1.2	.0	.6	.0	1.2	.0	.0	.0	.0	.4 100
															4.7

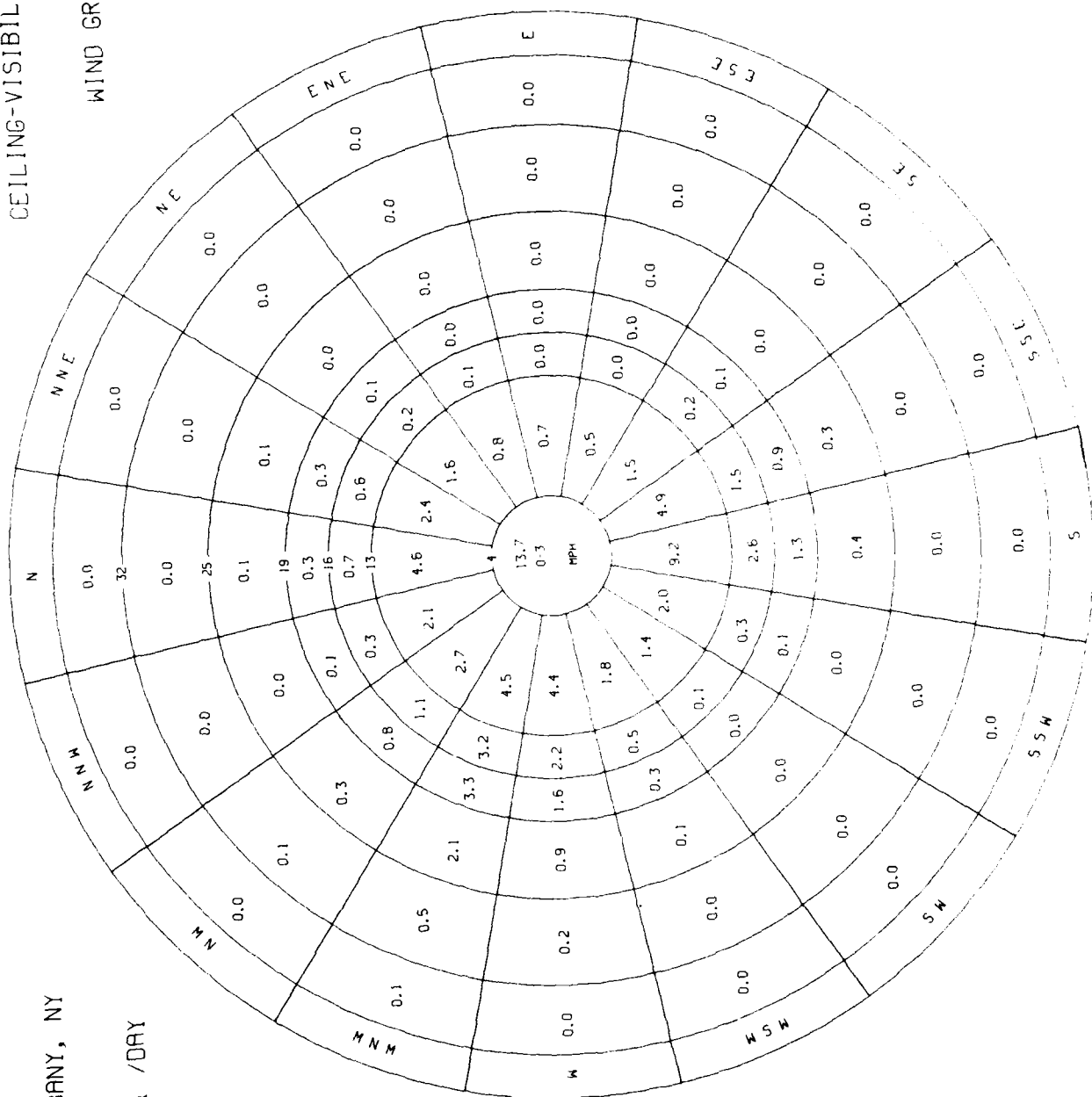
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



ALB ALBANY, NY

CLASS 1 / DAY

PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ALBANY, NY

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 14735

NO. OBS.: 45997

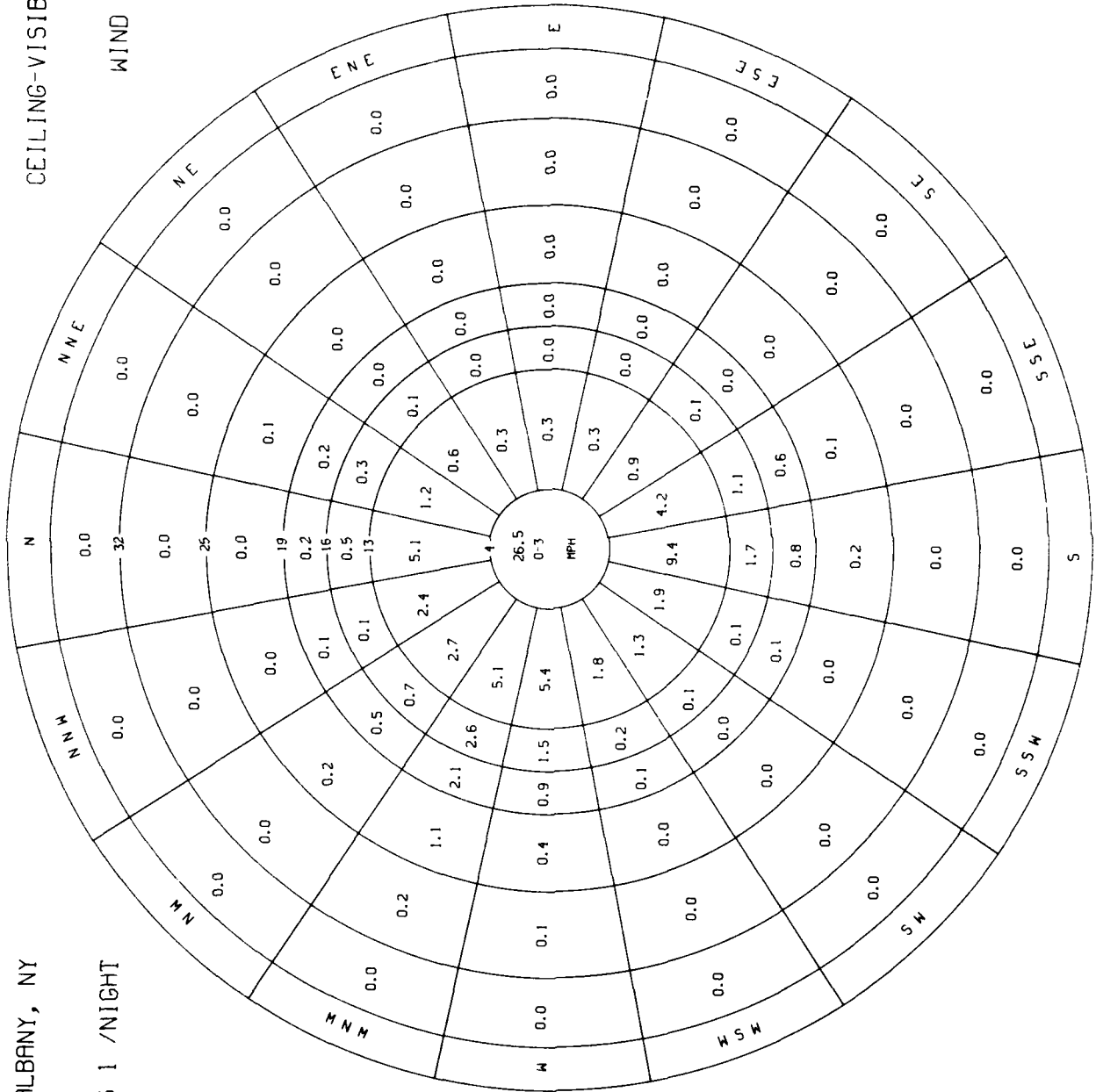
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.9	1.1	4.6	5.3	.7	.8	.3	.4	.1	.1	.0	.0	.0	.0	6.6 7.6 8.4
NNE	.6	.6	2.4	2.8	.6	.7	.3	.4	.1	.1	.0	.0	.0	.0	4.0 4.6 9.3
NE	.5	.6	1.6	1.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.4 2.8 7.4
ENE	.4	.5	.8	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3 1.5 6.4
E	.5	.6	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2 1.4 5.2
ESE	.3	.3	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8 1.0 6.2
SE	.5	.6	1.5	1.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.3 2.6 7.2
SSE	.6	.7	4.9	5.6	1.5	1.8	.9	1.0	.3	.3	.0	.0	.0	.0	8.3 9.5 10.5
S	1.3	1.5	9.2	10.6	2.6	3.0	1.3	1.5	.4	.4	.0	.0	.0	.0	14.8 17.0 9.9
SSW	.6	.7	2.0	2.3	.3	.3	.1	.1	.0	.1	.0	.0	.0	.0	3.1 3.5 7.7
SW	.7	.8	1.4	1.6	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	2.2 2.5 6.6
WSW	.4	.5	1.8	2.1	.5	.5	.3	.4	.1	.1	.0	.0	.0	.0	3.1 3.5 9.6
W	.5	.6	4.4	5.0	2.2	2.5	1.6	1.9	.9	1.1	.2	.2	.0	.0	9.9 11.4 12.6
WNW	.4	.5	4.5	5.2	3.2	3.7	3.3	3.8	2.1	2.4	.5	.5	.1	.1	14.1 16.2 14.4
NW	.6	.7	2.7	3.2	1.1	1.2	.8	.9	.3	.4	.1	.1	.0	.0	5.6 6.4 10.9
NNW	.5	.5	2.1	2.4	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	3.1 3.5 8.2
CALM	4.3	5.0													4.3 5.0
TOTAL	13.7	15.8	44.9	51.7	13.6	15.6	9.4	10.8	4.4	5.0	.8	1.0	.1	.1	87.0 100 9.9

ALB ALBANY, NY

CLASS 1 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ALB ALBANY, NY

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 14735

NO. OBS.: 32781

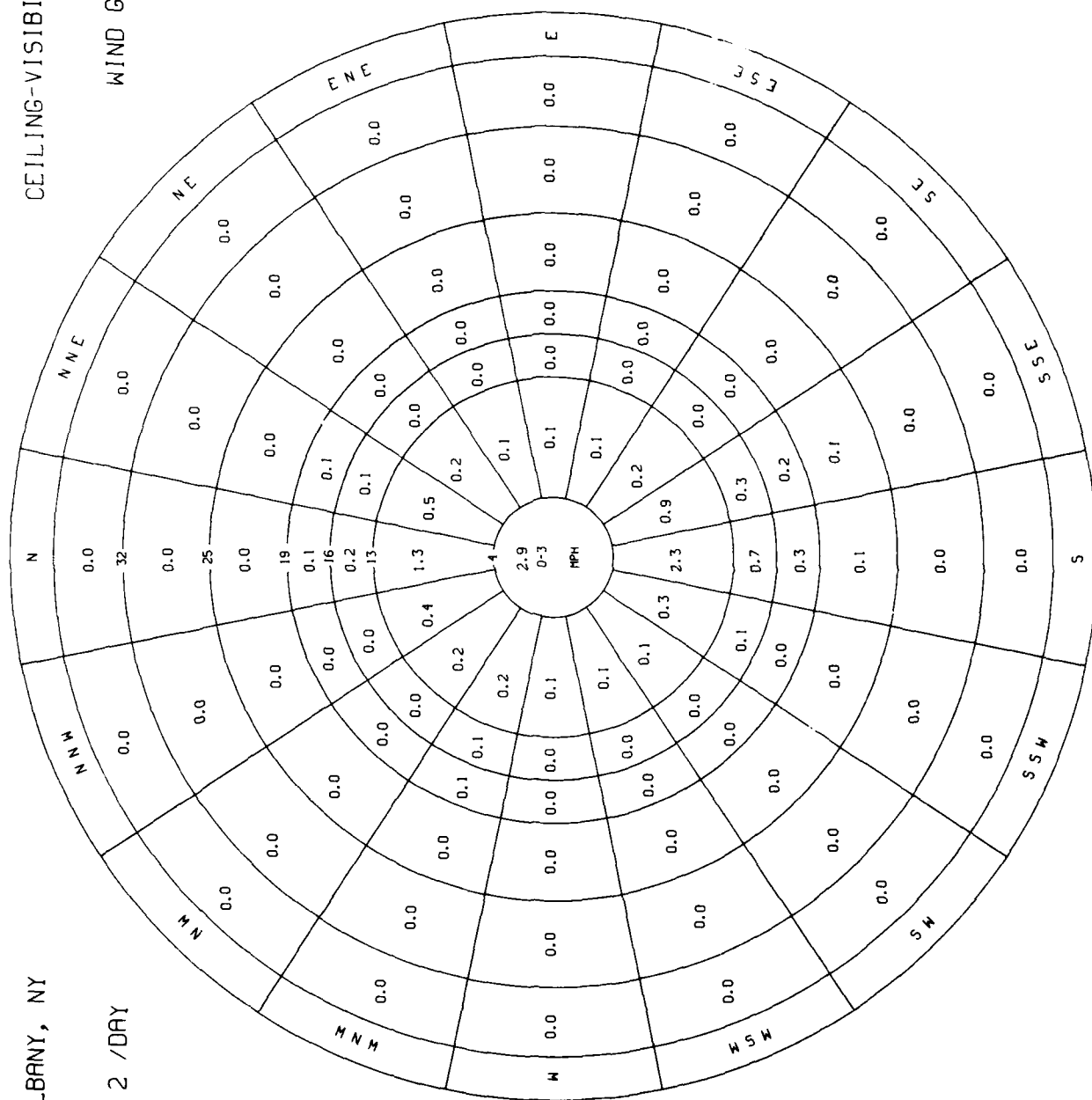
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	1.2	1.4	5.1	5.9	.5	.6	.2	.3	.0	.0	.0	.0	.0	.0	7.1 8.2
NNE	.5	.6	1.2	1.4	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.3 2.6
NE	.4	.5	.6	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1 1.2
ENE	.3	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6 .7
E	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8 .9
ESE	.3	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6 .7
SE	.6	.7	.9	1.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6 1.9
SSE	.8	.9	4.2	4.8	1.1	1.3	.6	.7	.1	.2	.0	.0	.0	.0	6.9 8.0
S	2.4	2.8	9.4	10.8	1.7	2.0	.8	.9	.2	.2	.0	.0	.0	.0	14.5 16.7
SSW	1.3	1.5	1.9	2.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	3.4 3.9
SW	1.3	1.5	1.3	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.7 3.1
WSW	.6	.7	1.8	2.1	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.8 3.2
W	1.1	1.2	5.4	6.2	1.5	1.7	.9	1.1	.4	.5	.1	.1	.0	.0	9.4 10.8
WNW	.9	1.0	5.1	5.9	2.6	3.0	2.1	2.4	1.1	1.2	.2	.3	.0	.0	12.0 13.8
NW	1.1	1.3	2.7	3.1	.7	.8	.5	.6	.2	.2	.0	.0	.0	.0	5.3 6.1
NNW	.8	.9	2.4	2.8	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	3.5 4.0
CALM	12.4	14.3													12.4 14.3
TOTAL	26.5	30.5	42.9	49.4	9.2	10.5	5.7	6.6	2.1	2.5	.4	.5	.1	.1	87.0 100
															7.6

CEILING-VISIBILITY

WIND GRAPH

ALB ALBANY, NY

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ALB ALBANY, NY

PERIOD: 1948-1978

CLASS 2 / DAY

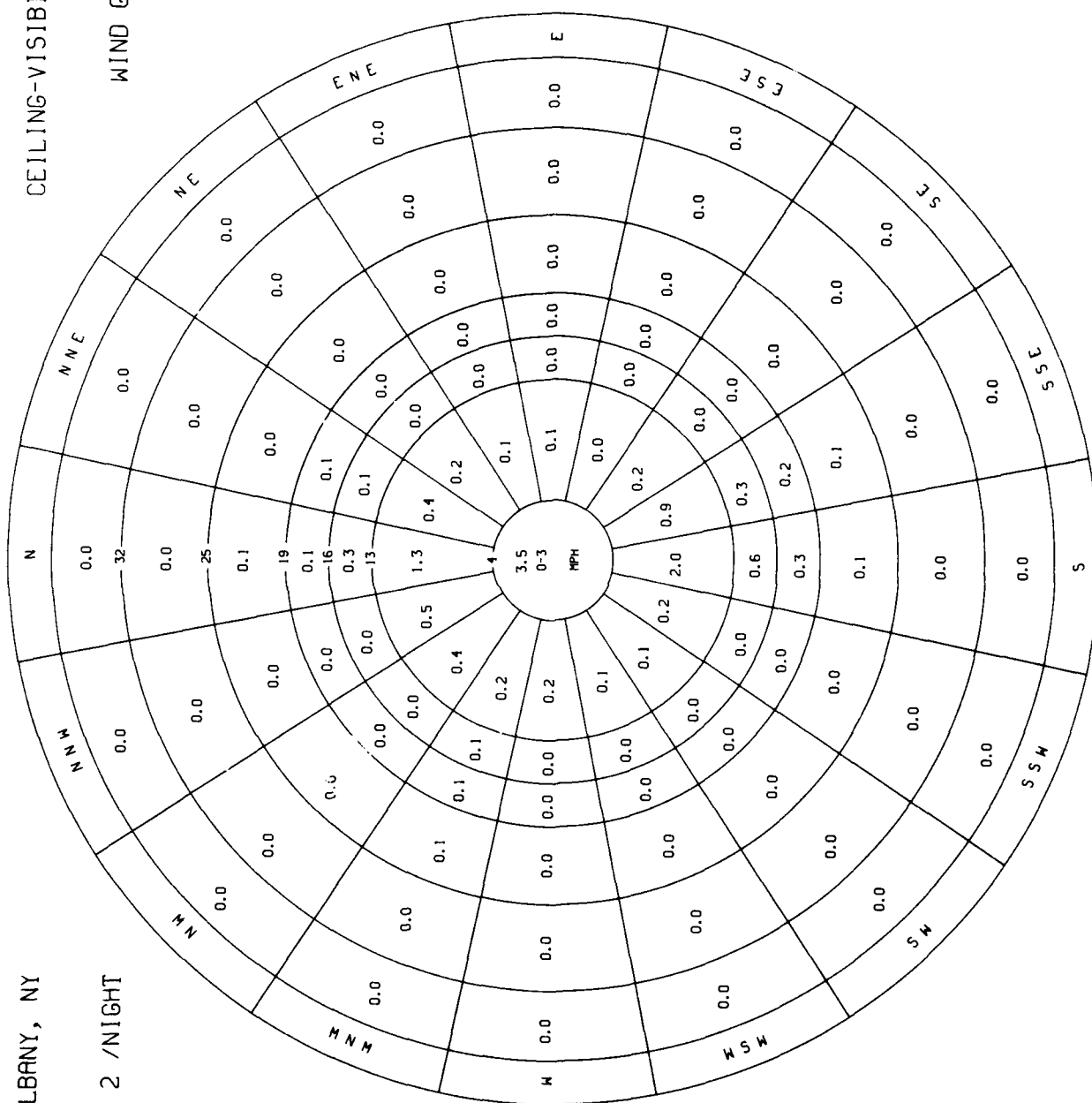
STATION NUMBER: 14735

NO. OBS.: 6889

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.3	2.0	1.3	9.9	.2	1.7	.1	.9	.0	.3	.0	.0	.0	.0	1.9	14.8	8.7
NNE	.1	.9	.5	4.2	.1	.8	.1	.6	.0	.2	.0	.0	.0	.0	.9	6.5	9.0
NE	.1	.8	.2	1.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	2.8	6.4
ENE	.1	.6	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.5	5.1
E	.1	.6	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.2	4.3
ESE	.1	.4	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	4.8
SE	.1	.9	.2	1.4	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.7	7.0
SSE	.1	1.1	.9	6.8	.3	2.5	.2	1.5	.1	.5	.0	.0	.0	.0	1.6	12.4	10.7
S	.3	2.1	2.3	17.9	.7	5.1	.3	2.7	.1	.5	.0	.0	.0	.0	3.7	28.3	9.9
SSW	.1	.9	.3	2.5	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.6	4.4	7.9
SW	.1	.6	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	5.8
WSW	.0	.4	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	7.0
W	.1	.4	.1	1.1	.0	.3	.0	.3	.0	.1	.0	.1	.0	.0	.3	2.2	9.9
WNW	.1	.5	.2	1.6	.1	.5	.1	.5	.0	.3	.0	.2	.0	.0	.5	3.7	11.6
NW	.1	.7	.2	1.9	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.4	3.1	7.7
NNW	.1	.8	.4	3.1	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6	4.5	7.9
CALM	1.1	8.3													1.1	8.3	
TOTAL	2.9	22.1	7.2	55.6	1.6	12.5	1.0	7.3	.3	2.1	.0	.3	.0	.1	13.0	100	8.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ALB ALBANY, NY

PERIOD: 1948-1978

CLASS 2 / NIGHT

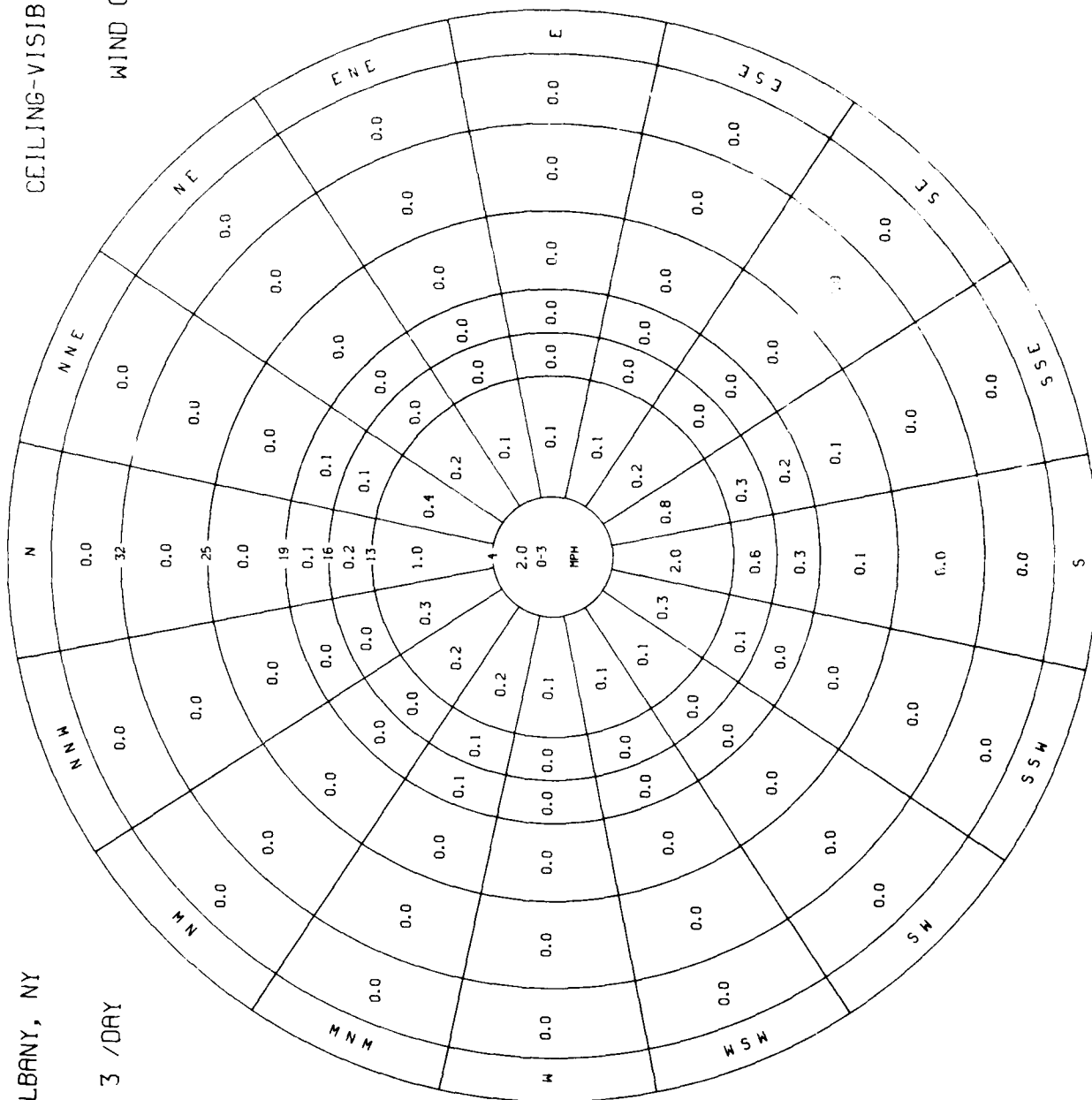
STATION NUMBER: 14735

NO. OBS.: 4908

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.3	2.4	1.3	10.3	.3	2.0	.1	.7	.1	.4	.0	.1	.0	.0	2.1 15.9
NNE	.1	.9	.4	3.4	.1	.7	.1	.5	.0	.1	.0	.0	.0	.0	.7 5.6
NE	.1	.5	.2	1.6	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.3 2.4
ENE	.1	.4	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.1
E	.1	.8	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.3
ESE	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .6
SE	.1	.8	.2	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.2
SSE	.1	.9	.9	6.8	.3	2.0	.2	1.6	.1	.5	.0	.1	.0	.0	1.5 11.9
S	.3	2.0	2.0	15.6	.6	4.5	.3	2.2	.1	.6	.0	.1	.0	.0	3.3 25.1
SSW	.1	.8	.2	1.7	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.4 2.9
SW	.1	.8	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.4
WSW	.0	.3	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.1
W	.1	.7	.2	1.2	.0	.1	.0	.2	.0	.1	.0	.1	.0	.0	.3 2.4
WNW	.1	.7	.2	1.7	.1	.6	.1	.6	.1	.4	.0	.2	.0	.0	.5 4.2
NW	.1	1.0	.4	2.7	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.6 4.4
NNW	.1	1.0	.5	3.5	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.6 4.9
CALM	1.7	12.7													1.7 12.7
TOTAL	3.5	27.1	6.8	52.4	1.5	11.2	.8	6.5	.3	2.3	.1	.6	.0	.0	13.0 100
															7.9

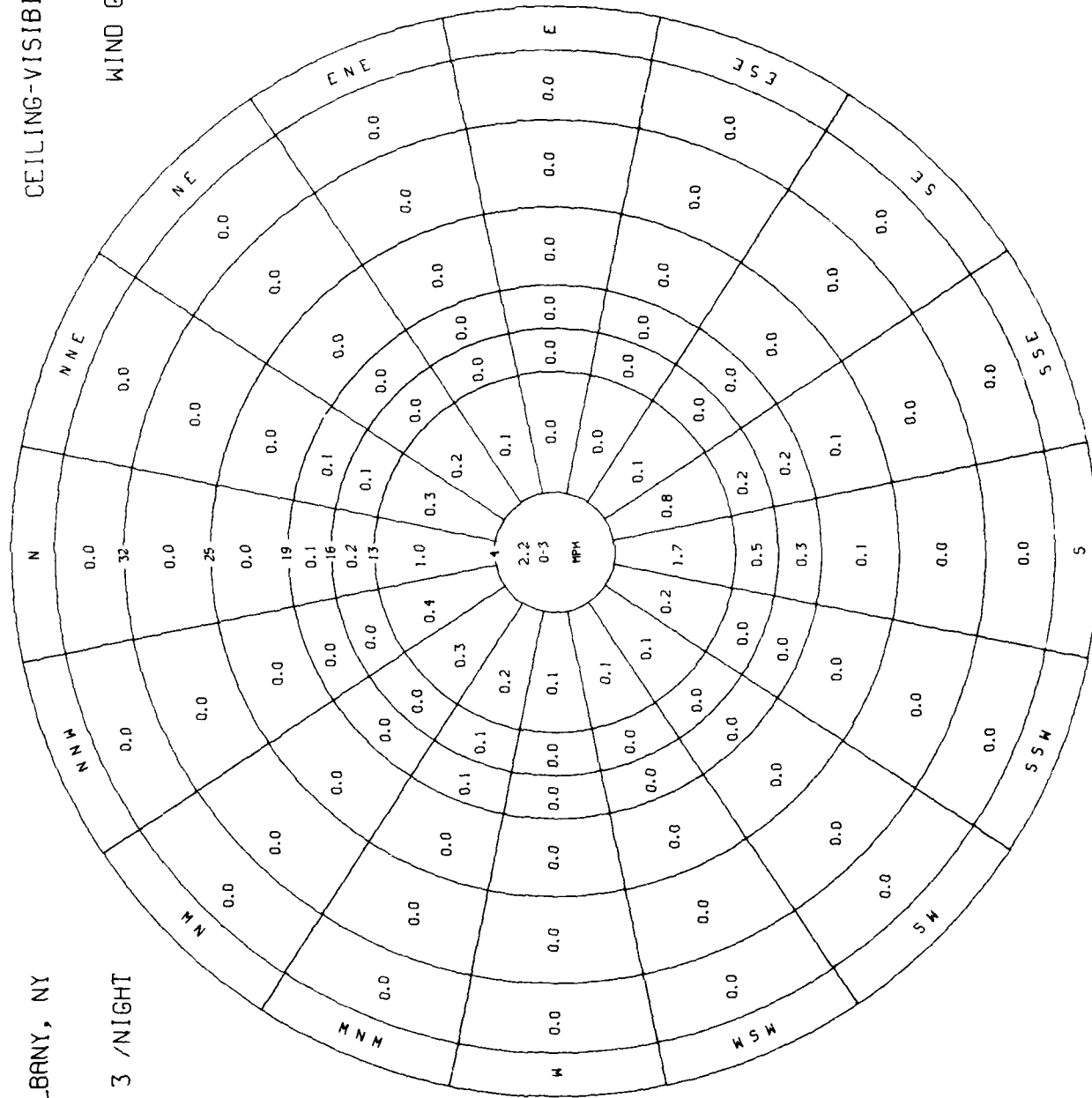
CEILING-VISIBILITY WIND GRAPH

ALB ALBANY, NY
CLASS 3 /DAY



ALB ALBANY, NY

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ALB ALBANY, NY

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 14735

NO. OBS.: 3810

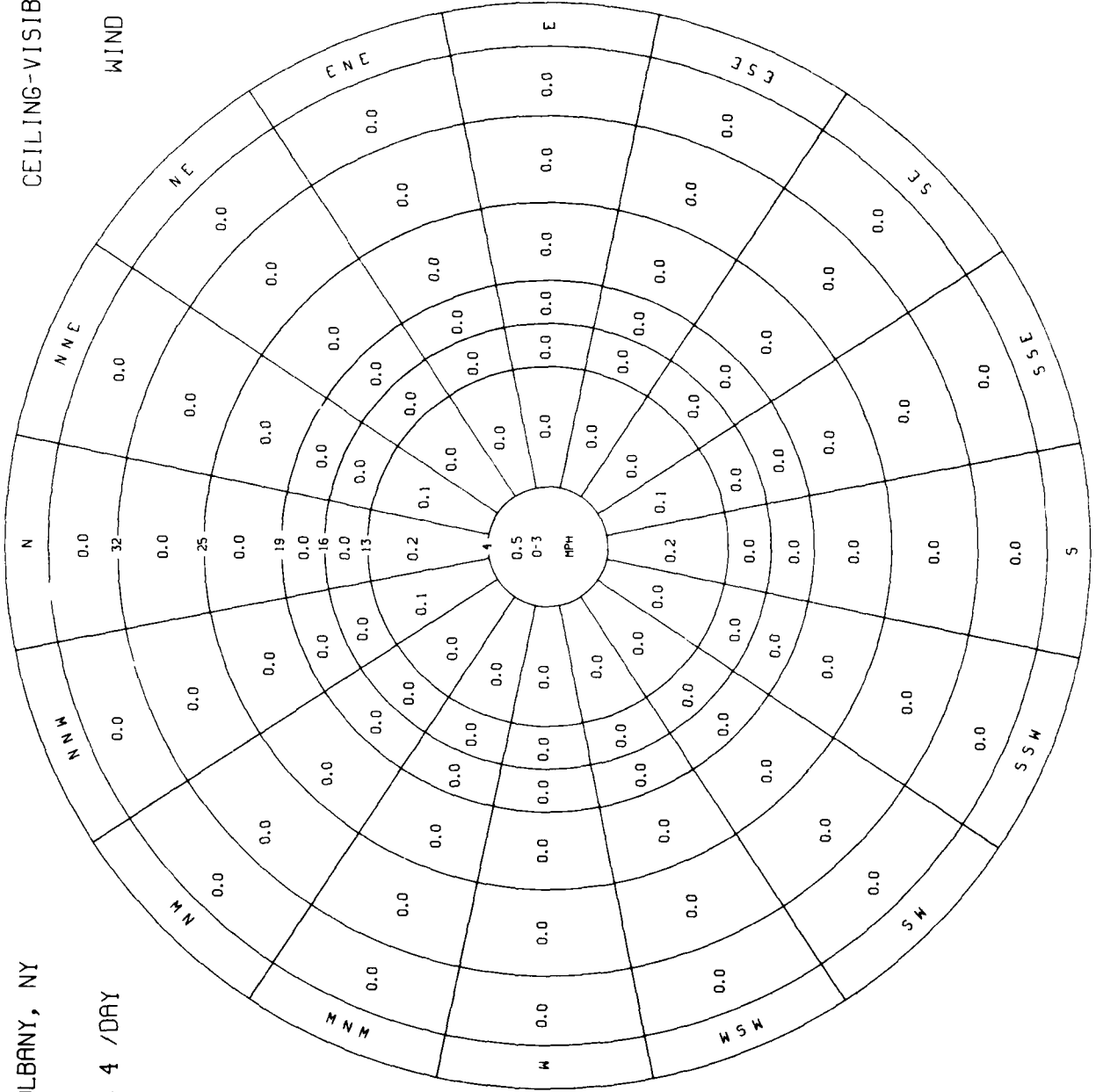
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.2	2.0	1.0	10.2	.2	2.0	.1	.7	.0	.3	.0	.0	.0	.0	1.5	15.2	8.7
NNE	.1	.9	.3	3.4	.1	.8	.1	.5	.0	.1	.0	.1	.0	.0	.6	5.8	9.2
NE	.0	.4	.2	1.5	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.2	2.1	6.9
ENE	.0	.4	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	4.8
E	.1	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	4.4
ESE	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	5.3
SE	.1	.8	.1	1.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.4	7.0
SSE	.1	.9	.8	7.7	.2	2.4	.2	1.8	.1	.6	.0	.1	.0	.0	1.4	13.6	11.0
S	.2	1.8	1.7	17.3	.5	5.2	.3	2.6	.1	.6	.0	.1	.0	.0	2.8	27.5	10.3
SSW	.1	.8	.2	1.8	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.3	3.1	7.9
SW	.1	.6	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.3	4.9
WSW	.0	.2	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	6.3
W	.1	.6	.1	1.4	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	.3	2.6	9.0
WNW	.1	.6	.2	1.9	.1	.7	.1	.7	.0	.4	.0	.2	.0	.0	.5	4.6	11.8
NW	.1	.8	.3	2.9	.0	.4	.0	.3	.0	.0	.0	.0	.0	.0	.4	4.4	8.0
NNW	.1	1.0	.4	3.6	.0	.2	.0	.0	.0	.1	.0	.1	.0	.0	.5	5.0	7.4
CALM	.9	8.6													.9	8.6	
TOTAL	2.2	21.4	5.6	55.7	1.3	12.7	.7	7.2	.2	2.4	.1	.6	.0	.0	10.1	100	8.5

CEILING-VISIBILITY

WIND GRAPH

ALB ALBANY, NY

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ALBANY, NY

PERIOD: 1948-1978

CLASS 4 / DAY

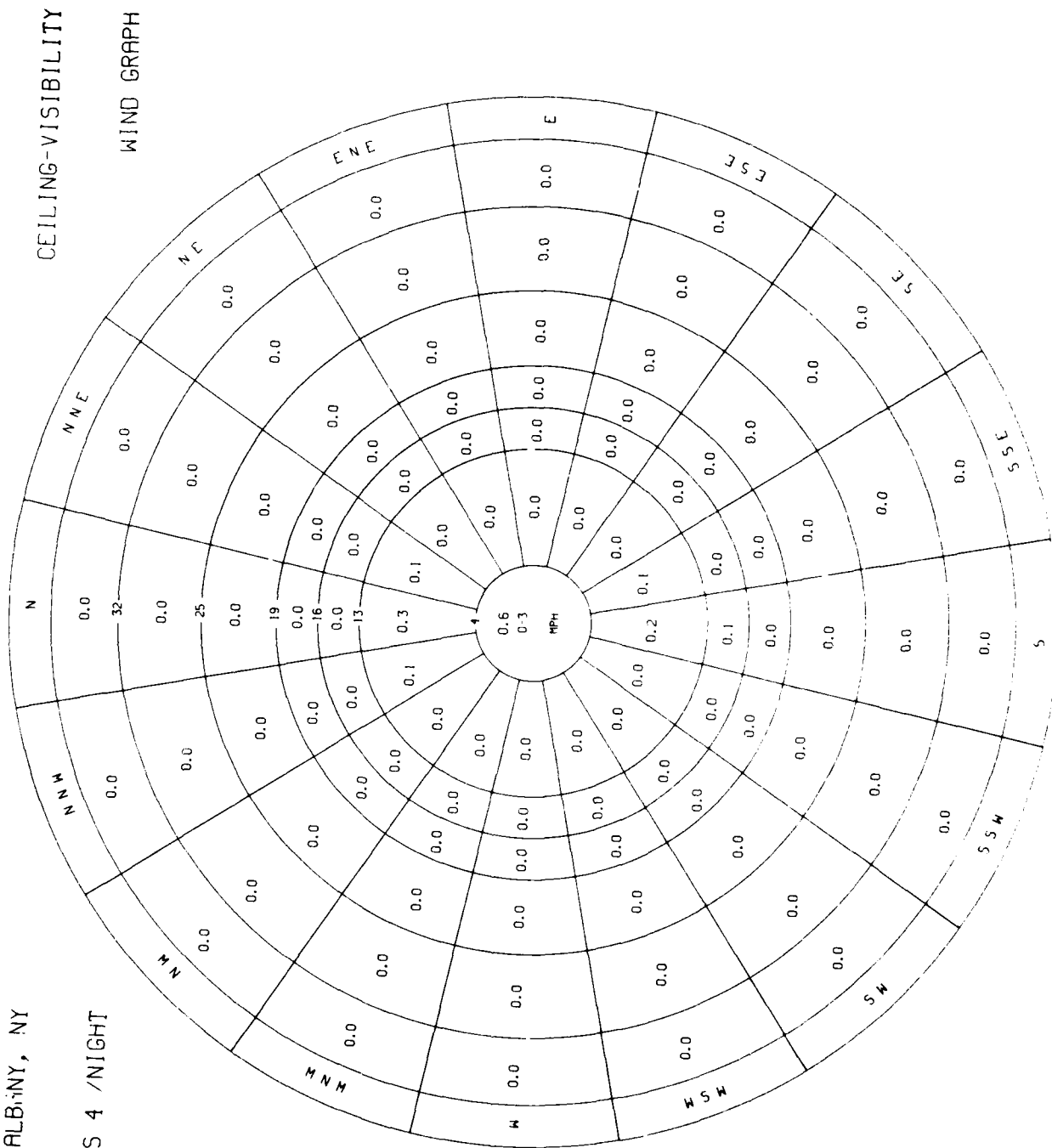
STATION NUMBER: 14735

NO. OBS.: 903

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.8	.2	14.3	.0	2.3	.0	1.8	.0	.6	.0	.0	.0	.0	.4	21.7	8.6
NNE	.0	.8	.1	4.4	.0	.9	.0	.6	.0	.4	.0	.0	.0	.0	.1	7.1	9.5
NE	.0	.8	.0	2.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.1	7.0
ENE	.0	1.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	5.2
E	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.9
ESE	.0	.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.9
SE	.0	.6	.0	1.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	2.3	6.3
SSE	.0	.9	.1	5.4	.0	.6	.0	.8	.0	.3	.0	.0	.0	.0	.1	8.0	9.6
S	.0	2.5	.2	12.7	.0	2.1	.0	.9	.0	.3	.0	.0	.0	.0	.3	18.6	8.3
SSW	.0	1.2	.0	2.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9	6.5
SW	.0	.8	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	3.8
WSW	.0	.6	.0	.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.2	5.5
W	.0	.0	.0	.8	.0	.4	.0	.4	.0	.0	.0	.1	.0	.0	.0	1.8	12.6
WNW	.0	.6	.0	1.1	.0	.3	.0	.7	.0	.4	.0	.3	.0	.0	.1	3.4	13.0
NW	.0	1.2	.0	1.9	.0	.0	.0	.3	.0	.2	.0	.0	.0	.0	.1	3.7	7.6
NNW	.0	1.1	.1	4.9	.0	.4	.0	.6	.0	.1	.0	.0	.0	.0	.1	7.1	8.2
CALM	.2	10.7													.2	10.7	
TOTAL	5	26.7	1	0	5	6	1	1	6	4	0	2	4	0	1	7	100

ALB ALBANY, NY

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ALBANY, NY

PERIOD: 1948-1978

STATION NUMBER: 14735

NO. OBS.: 691

CLASS 4 / NIGHT

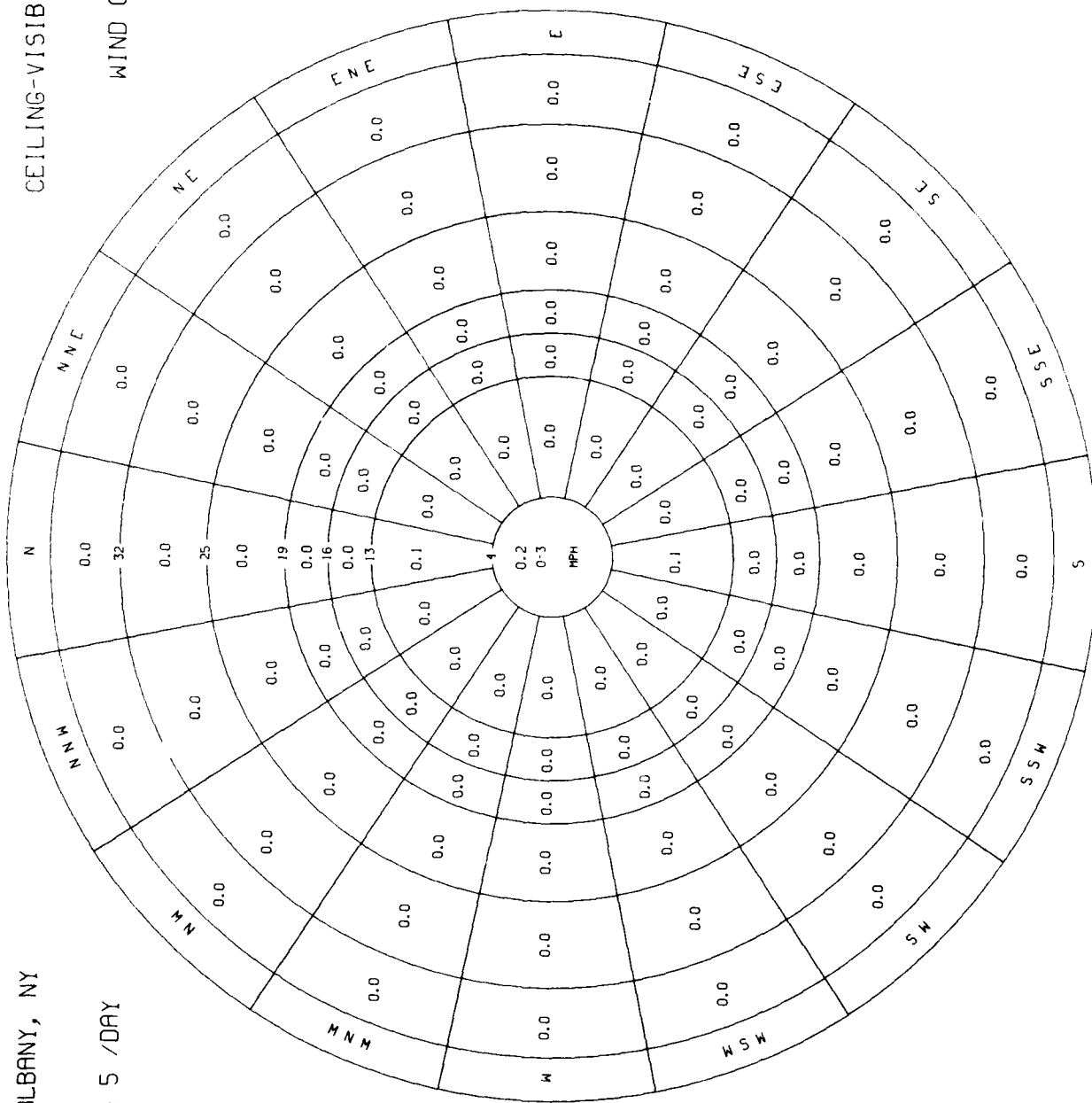
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.1	3.0	.3	13.9	.0	2.2	.0	.9	.0	.6	.0	.1	.0	.0	.4	20.7	8.5
NNE	.0	.9	.1	4.6	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	5.9	7.8
NE	.0	.6	.0	1.9	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.1	3.0	7.4
ENE	.0	.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.5
E	.0	1.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	4.4
ESE	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.3
SE	.0	.4	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.7
SSE	.0	.6	.1	5.2	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.1	8.1	10.3
S	.0	1.4	.2	11.3	.1	2.9	.0	1.6	.0	.4	.0	.0	.0	.0	.3	17.7	9.4
SSW	.0	.6	.0	1.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.9	6.7
SW	.0	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	2.8
WSW	.0	.6	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.3
W	.0	.9	.0	.1	.0	.1	.0	.1	.0	.1	.0	.3	.0	.0	.0	1.7	10.8
WNW	.0	1.0	.0	1.0	.0	.1	.0	.3	.0	.4	.0	.4	.0	.0	.1	3.3	11.4
NW	.0	2.0	.0	2.2	.0	.1	.0	.6	.0	.1	.0	.0	.0	.0	.1	5.1	7.1
NNW	.0	1.2	.1	3.9	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1	5.6	6.8
CALM	.3	18.1													.3	18.1	
TOTAL	.6	34.7	.9	49.3	.1	7.7	.1	5.2	.0	2.2	.0	.9	.0	.0	.1	8	6.8

CEILING-VISIBILITY

WIND GRAPH

ALB ALBANY, NY

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ALB ALBANY, NY

PERIOD: 1948-1978

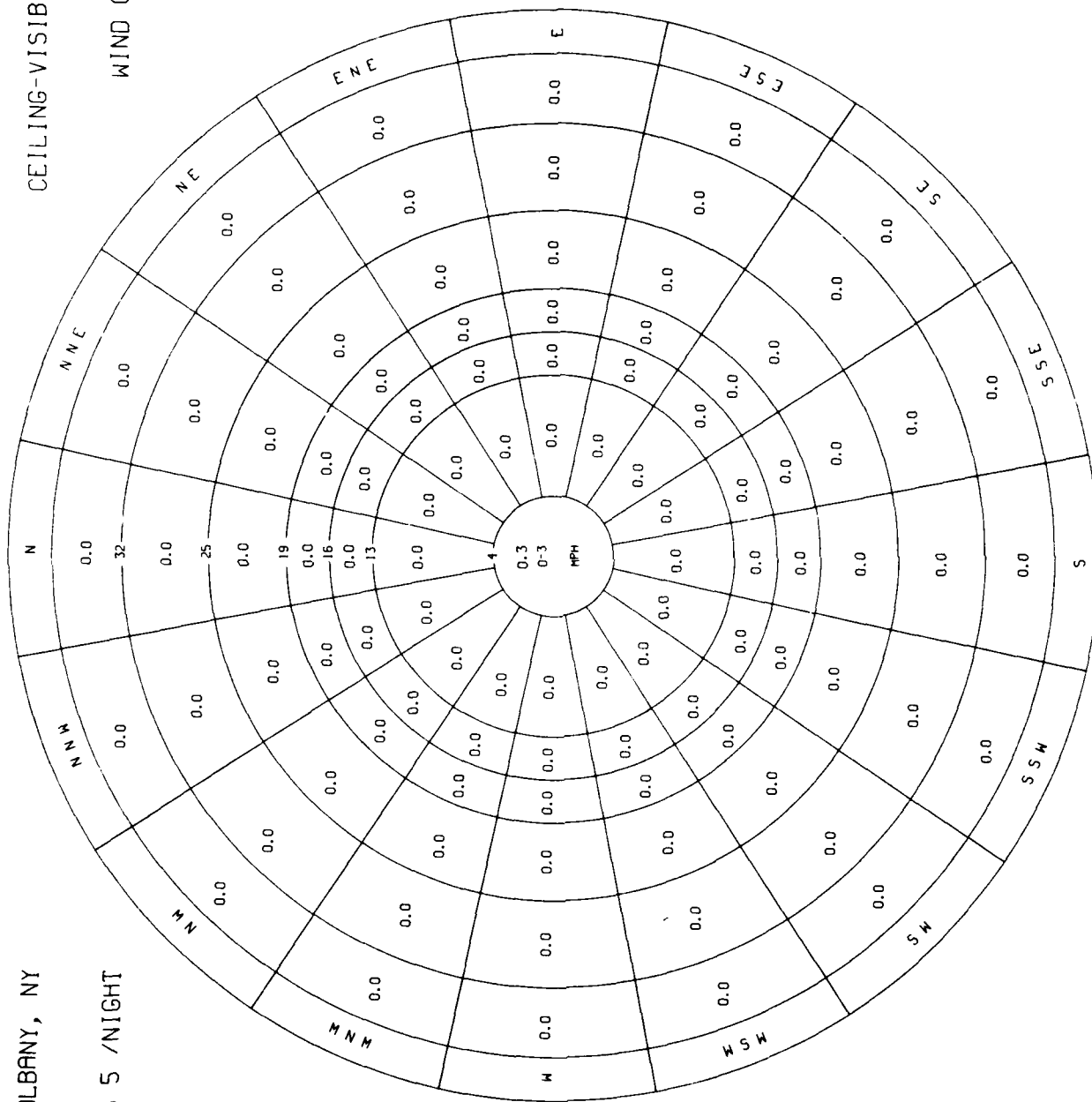
CLASS 5 / DAY

STATION NUMBER: 14735

NO. OBS.: 214

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.4	.1	13.1	.0	2.3	.0	2.3	.0	.9	.0	.0	.0	.0	.1 20.1
NNE	.0	1.4	.0	3.3	.0	.5	.0	.5	.0	.9	.0	.0	.0	.0	.0 6.5
NE	.0	2.3	.0	2.3	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0 5.1
ENE	.0	.5	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
E	.0	.9	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
ESE	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
SE	.0	1.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
SSE	.0	.9	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.6
S	.0	2.8	.1	15.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 19.2
SSW	.0	1.9	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
SW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
WSW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
W	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
WNW	.0	1.4	.0	.9	.0	.0	.0	.9	.0	.5	.0	.0	.0	.5	.0 4.2
NW	.0	1.9	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
NNW	.0	1.4	.0	2.3	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0 4.2
CALM	.1	17.8													.1 17.8
TOTAL	.2	37.9	.2	50.0	.0	4.7	.0	4.7	.0	2.3	.0	.0	.0	.5	.4 100

ALB ALBANY, NY
 CLASS 5 /NIGHT
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ALB ALBANY, NY

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 14735

NO. OBS.: 172

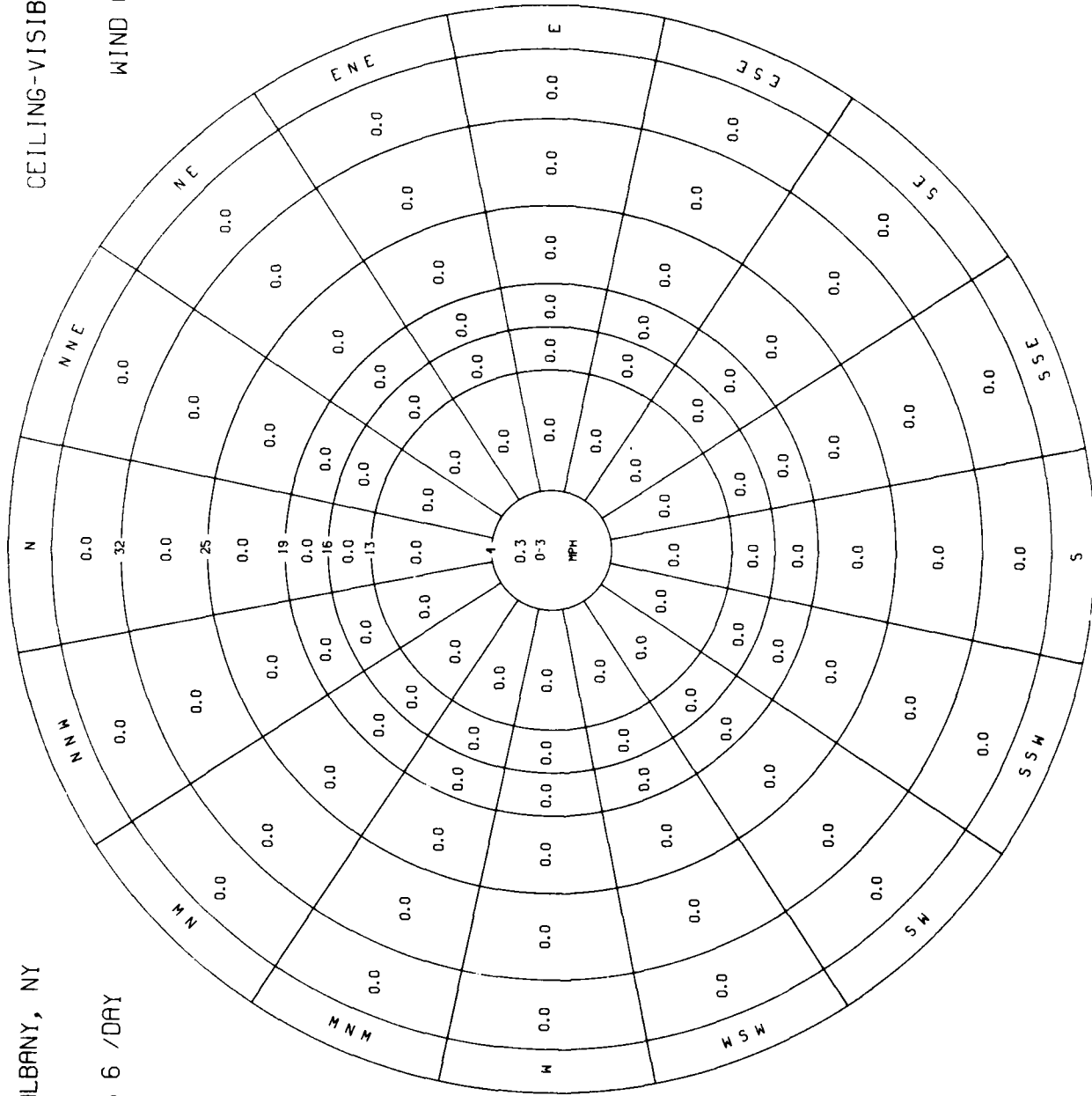
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	5.2	.0	8.1	.0	2.3	.0	1.2	.0	2.3	.0	.6	.0	.0	.1 19.8
NNE	.0	.6	.0	2.3	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0 4.7
NE	.0	1.7	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.8
ENE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
E	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
ESE	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SE	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SSE	.0	.6	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0 1.2
S	.0	1.7	.0	5.8	.0	2.3	.0	.6	.0	1.2	.0	.0	.0	.0	.1 11.6
SSW	.0	1.2	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
SW	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
W	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
WNW	.0	1.2	.0	.6	.0	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0 2.9
NW	.0	1.2	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
NNW	.0	1.2	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
CALM	.2	36.6													.2 36.6
TOTAL	.3	55.2	.1	30.2	.0	5.8	.0	4.1	.0	3.5	.0	1.2	.0	.0	.5 100
															5.2

ALB ALBANY, NY

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ALB ALBANY, NY

PERIOD: 1948-1978

CLASS 6 / DAY

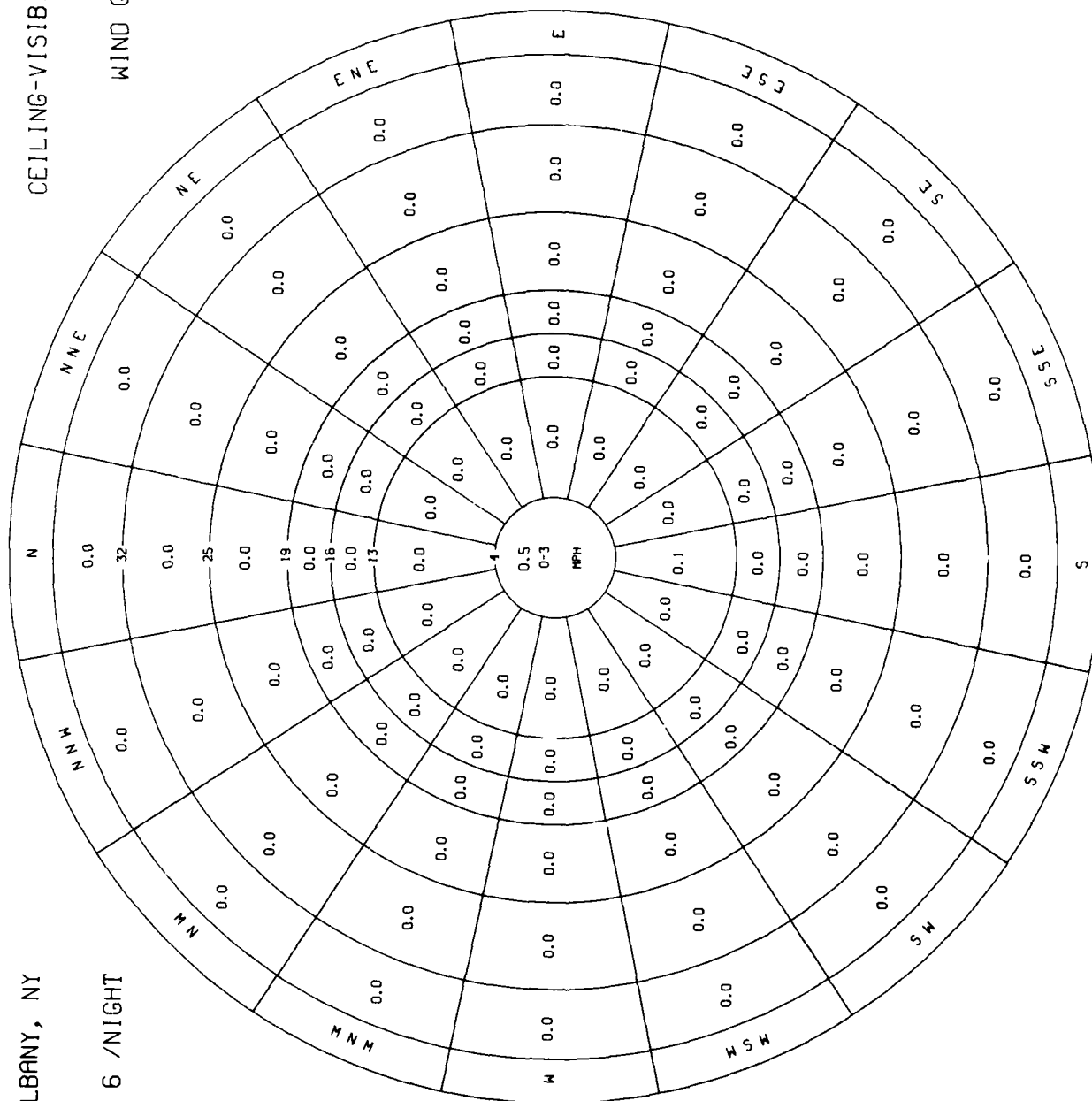
STATION NUMBER: 14735

NO. OBS.: 258

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	3.5	.0	5.4	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0 10.1
NNE	.0	2.7	.0	1.2	.0	.8	.0	.0	.0	.4	.0	.0	.0	.0	.0 5.0
NNE	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
ENE	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
E	.0	1.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
ESE	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SE	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SSE	.0	2.3	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.2
S	.0	1.2	.0	8.9	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.1 10.9
SSW	.0	1.9	.0	3.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.2
SW	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
WSW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
W	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
WNW	.0	.4	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0 1.2
NW	.0	1.6	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0 2.3
NNW	.0	1.9	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
CALM	.2	41.1													.2 41.1
TOTAL	.3	64.7	.1	30.2	.0	2.7	.0	1.6	.0	.8	.0	.0	.0	.0	.5 100
															3.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ALB ALBANY, NY

PERIOD: 1948-1978

CLASS 6 / NIGHT

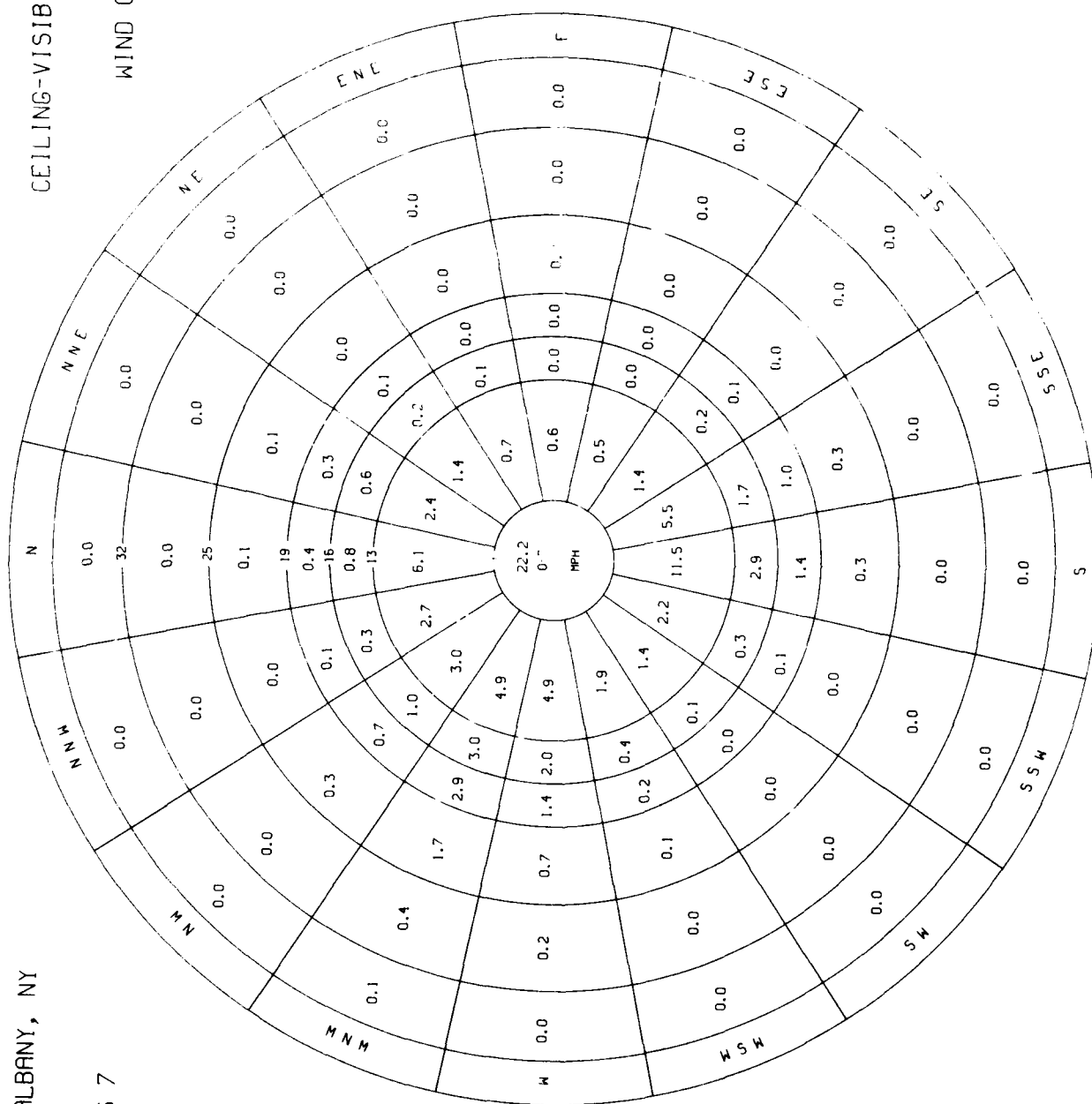
STATION NUMBER: 14735

NO. OBS.: 235

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	4.7	.0	4.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 9.4
NNE	.0	.4	.0	.9	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0 1.7
NE	.0	.9	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
ENE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
E	.0	1.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
ESE	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
SE	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.3
SSE	.0	2.1	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.8
S	.0	7.7	.1	8.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 17.0
SSW	.0	.9	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
SW	.0	2.1	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.8
WSW	.0	1.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
W	.0	1.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
WNW	.0	1.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
NW	.0	1.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
NNW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
CALM	.3	46.4													.3 46.4
TOTAL	.5	74.9	.1	23.8	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.6 100
															2.4

CEILING-VISIBILITY

WIND GRAPH

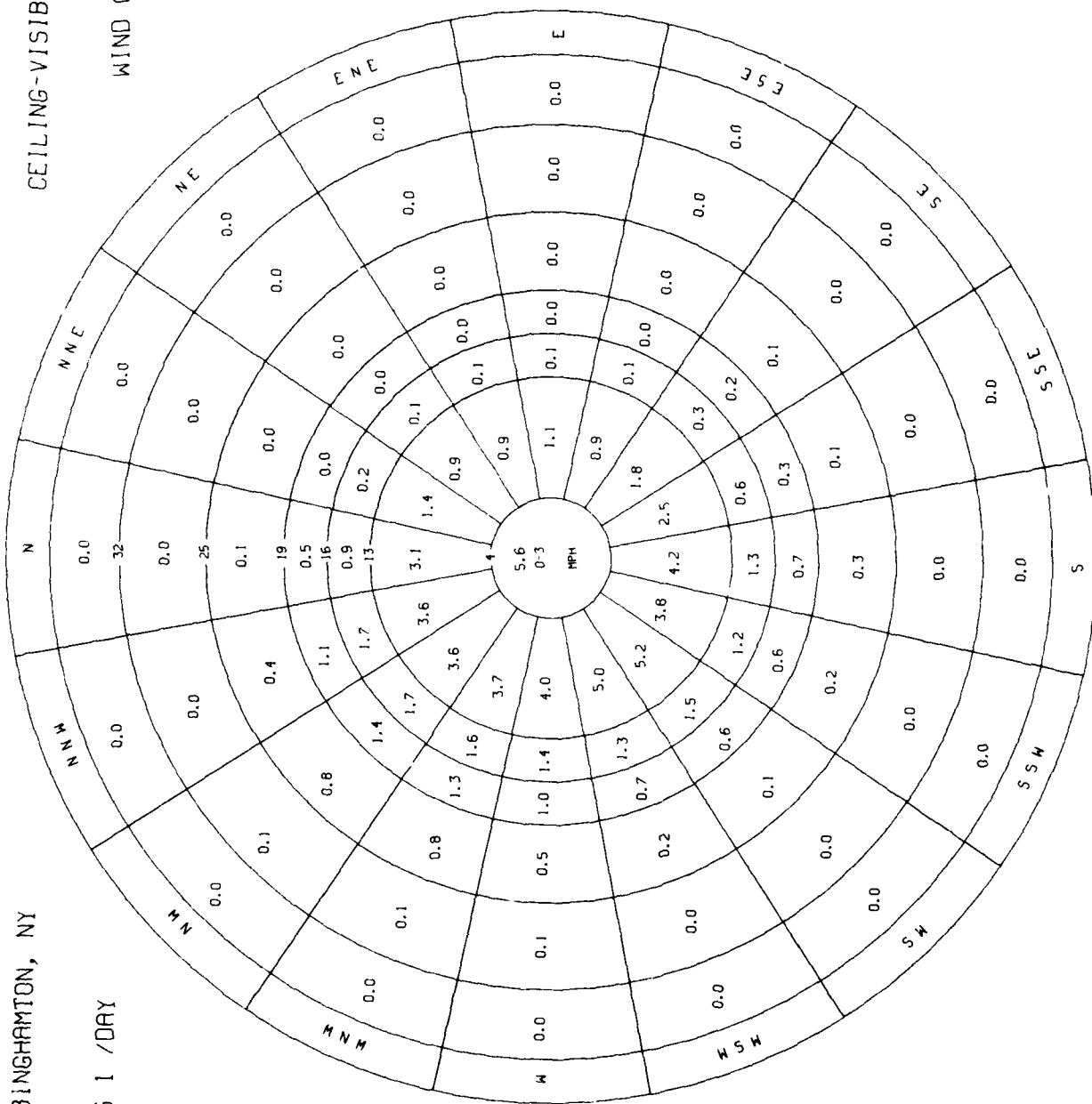


BGM BINGHAMTON, NY

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BGM BINGHAMTON, NY

PERIOD: 1952-1978

CLASS 1 / DAY

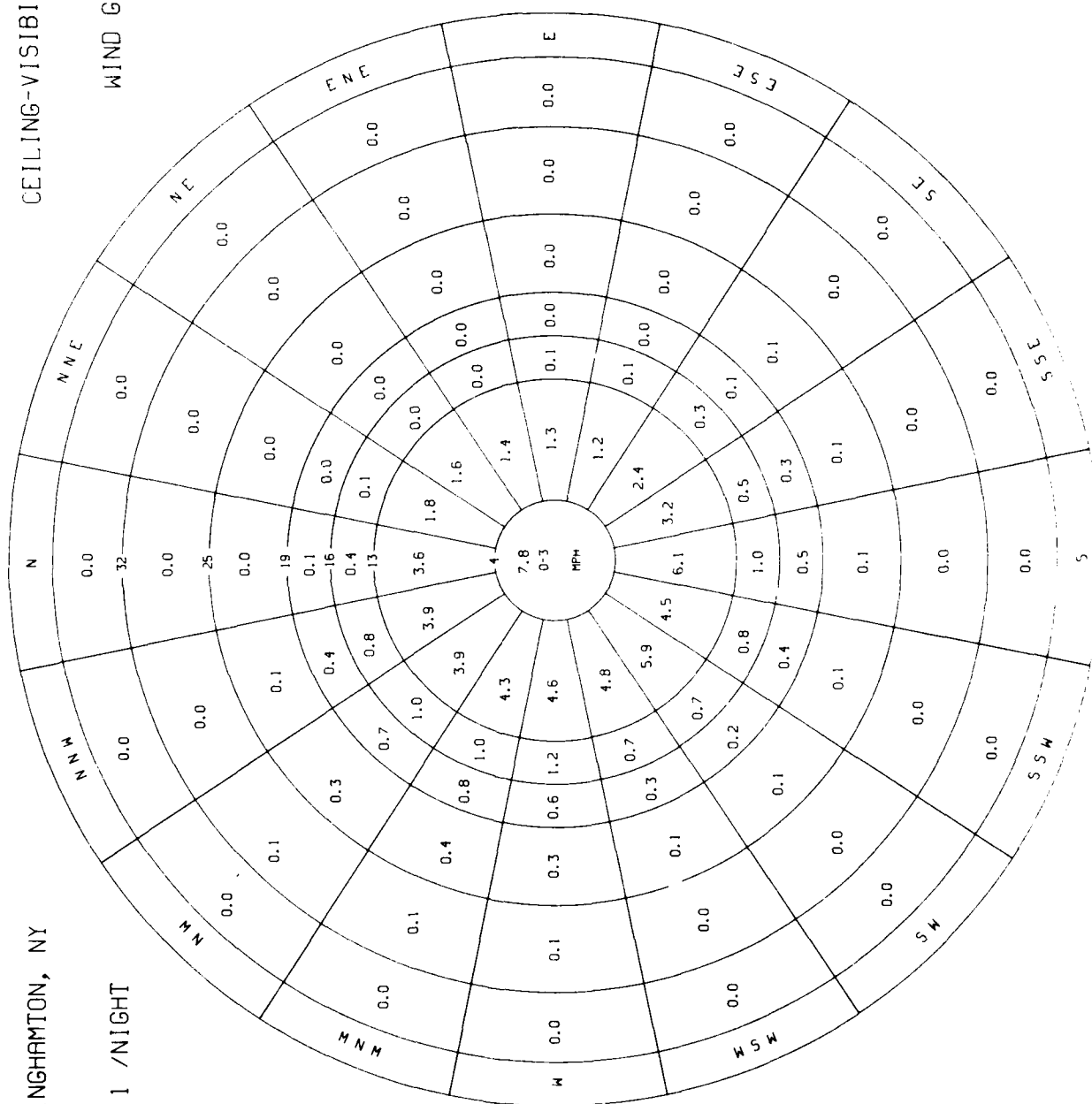
STATION NUMBER: 04725

NO. OBS.: 34530

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+				TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C			D
N	.3	.3	3.1	4.0	.9	1.1	.5	.6	.1	.2	.0	.0	.0	.0	.0	4.8	6.2	10.3
NNE	.2	.2	1.4	1.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.2	8.0
N E	.2	.3	.9	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.5	7.2
ENE	.2	.3	.9	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.5	7.1
E	.2	.2	1.1	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.7	7.4
ESE	.2	.2	.9	1.2	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.2	1.6	8.0
SE	.3	.4	1.8	2.4	.3	.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	2.7	3.5	9.3
SSE	.3	.4	2.5	3.3	.6	.8	.3	.4	.1	.2	.0	.0	.0	.0	.0	3.9	5.0	9.9
S	.5	.6	4.2	5.4	1.3	1.6	.7	.9	.3	.3	.0	.0	.0	.0	.0	6.9	8.9	10.4
SSW	.3	.4	3.8	4.9	1.2	1.5	.6	.7	.2	.2	.0	.0	.0	.0	.0	6.0	7.8	10.6
SW	.4	.5	5.2	6.7	1.5	1.9	.6	.8	.1	.2	.0	.0	.0	.0	.0	7.9	10.1	10.2
WSW	.4	.6	5.0	6.4	1.3	1.7	.7	.9	.2	.3	.0	.0	.0	.0	.0	7.7	9.9	10.4
W	.4	.6	4.0	5.1	1.4	1.8	1.0	1.2	.5	.7	.1	.1	.0	.0	.0	7.4	9.5	11.4
WNW	.3	.4	3.7	4.7	1.6	2.1	1.3	1.7	.8	1.0	.1	.2	.0	.0	.0	7.9	10.1	12.5
NW	.3	.3	3.6	4.6	1.7	2.2	1.4	1.7	.8	1.0	.1	.2	.0	.0	.0	7.9	10.2	12.8
NNW	.2	.3	3.6	4.6	1.7	2.2	1.1	1.4	.4	.5	.0	.0	.0	.0	.0	7.0	9.0	12.0
CALM	.9	1.2														.9	1.2	
TOTAL	5.6	7.2	45.6	58.6	13.9	17.9	8.5	10.9	3.6	4.6	.5	.7	.1	.1	.1	77.8	100	10.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RGM BINGHAMTON, NY

PERIOD: 1952-1978

CLASS : / NIGHT

STATION NUMBER: 04725

NO. OBS.: 26560

D Y R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3				4-11				12-15				16-18				TOTAL
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	
N	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5.7
NNE	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7.0
NNE	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8.5
ENE	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7.7
E	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8.7
ESE	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8.7
SE	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	9.7
SSE	5	6	3	2	1	1	1	1	1	1	1	1	1	1	1	1	9.7
S	5	10	6	1	1	1	1	1	1	1	1	1	1	1	1	1	9.7
SSW	4	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	9.7
SW	4	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	9.7
WSW	5	7	4	1	1	1	1	1	1	1	1	1	1	1	1	1	9.7
W	6	8	4	1	1	1	1	1	1	1	1	1	1	1	1	1	10.7
WNW	5	7	4	1	1	1	1	1	1	1	1	1	1	1	1	1	10.7
NW	4	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	10.7
NNW	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10.7
CALM	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10.7
TOTAL	72	111	64	11	72	111	64	11	72	111	64	11	72	111	64	11	10.7

AD-A108 156

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/O 4/2

WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(U)
JUN 81 DOT-FA79WAI-057

JUN 81

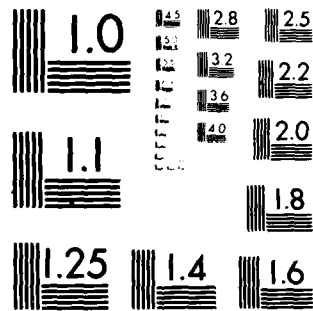
DOT-FA79WAI-057

NL

UNCLASSIFIED

3 of 5
At a
08:59

OR: 5.00



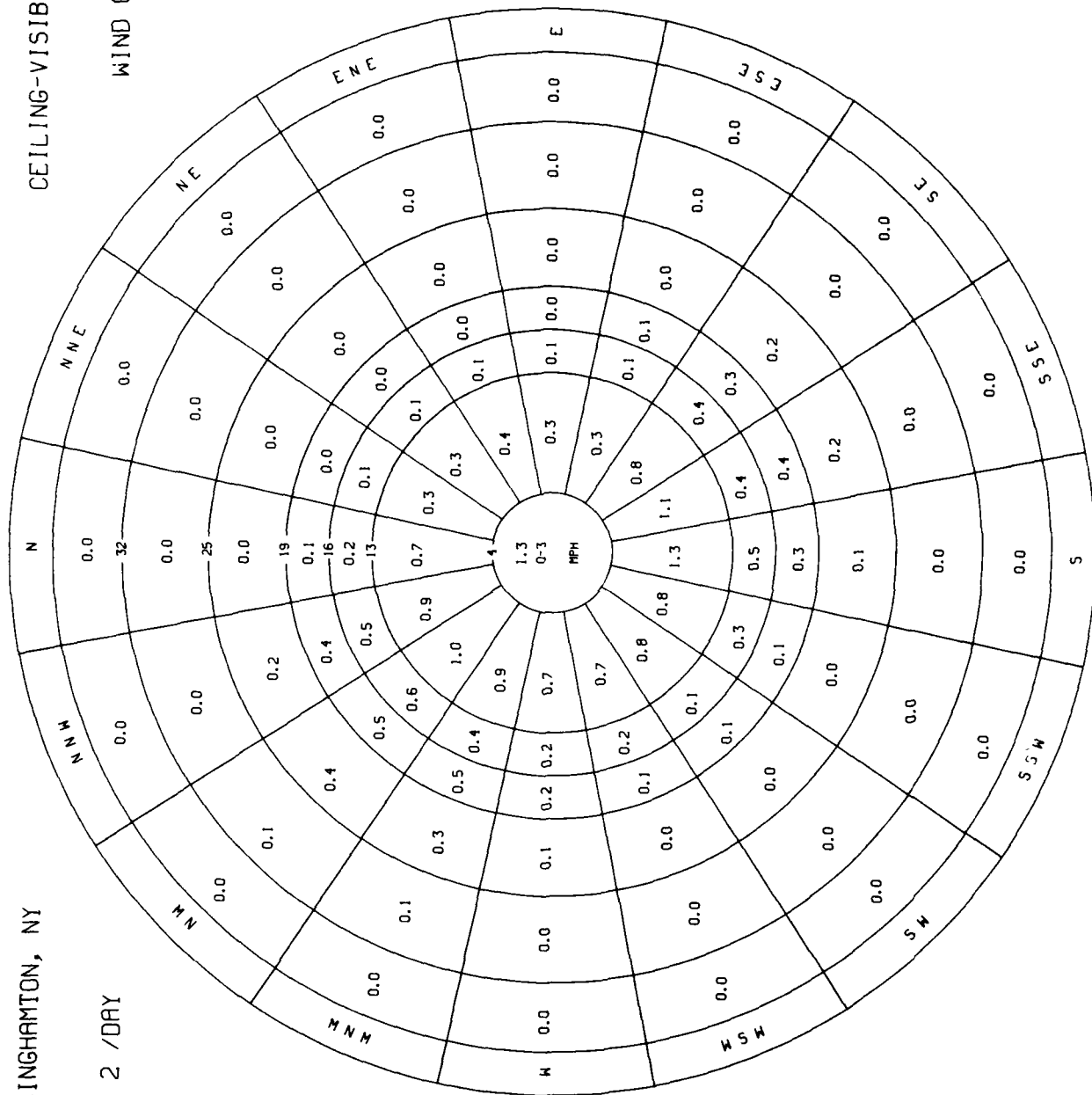
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

BGM BINGHAMTON, NY

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BGM BINGHAMTON, NY

PERIOD: 1952-1978

CLASS 2 / DAY

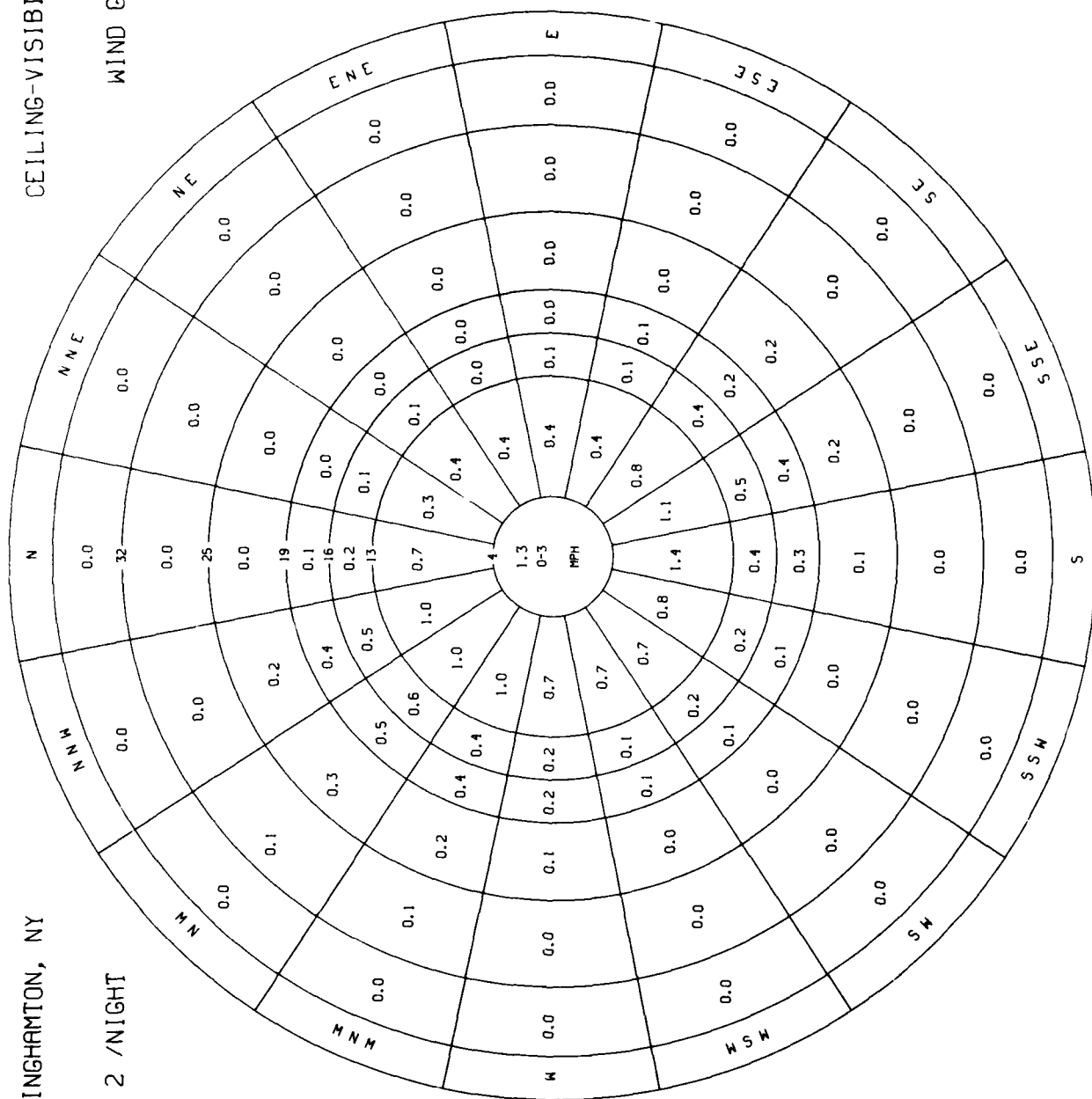
STATION NUMBER: 04725

NO. OBS.: 9852

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.3	.7	2.9	.2	1.0	.1	.6	.0	.2	.0	.0	.0	.0	1.1 5.0
NNE	.1	.2	.3	1.4	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.5 2.2
NE	.0	.2	.3	1.5	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4 2.0
ENE	.1	.2	.4	1.6	.1	.2	.0	.1	.0	.1	.0	.0	.0	.0	.5 2.2
E	.1	.2	.3	1.4	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.5 2.3
ESE	.0	.2	.3	1.6	.1	.5	.1	.6	.0	.2	.0	.0	.0	.0	.7 3.1
SE	.1	.3	.8	3.7	.4	1.9	.3	1.3	.2	.7	.0	.1	.0	.0	1.8 8.0
SSE	.1	.3	1.1	4.8	.4	2.0	.4	1.7	.2	1.0	.0	.2	.0	.0	2.2 9.9
S	.1	.5	1.3	5.7	.5	2.2	.3	1.4	.1	.4	.0	.1	.0	.0	2.3 10.3
SSW	.1	.3	.8	3.7	.3	1.2	.1	.6	.0	.2	.0	.0	.0	.0	1.3 5.9
SW	.1	.3	.8	3.8	.1	.7	.1	.3	.0	.1	.0	.0	.0	.0	1.2 5.2
WSW	.1	.4	.7	3.3	.2	.7	.1	.3	.0	.2	.0	.0	.0	.0	1.1 4.8
W	.1	.3	.7	3.3	.2	1.1	.2	.8	.1	.4	.0	.1	.0	.0	1.3 6.0
WNW	.1	.4	.9	4.1	.4	1.9	.5	2.3	.3	1.2	.1	.4	.0	.0	2.3 10.3
NW	.1	.3	1.0	4.3	.6	2.8	.5	2.3	.4	1.8	.1	.6	.0	.1	2.7 12.2
NNW	.1	.3	.9	3.9	.5	2.1	.4	1.8	.2	1.0	.0	.1	.0	.0	2.1 9.3
CALM	.2	1.1													.2 1.1
TOTAL	1.3	5.8	11.3	51.0	4.3	19.3	3.2	14.4	1.7	7.6	.4	1.8	.0	.2	22.2 100
															11.9

CEILING-VISIBILITY

WIND GRAPH



BGM BINGHAMTON, NY

CLASS 2 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1952-1978

STATION NAME: BGM BINGHAMTON, NY

CLASS 2 / NIGHT

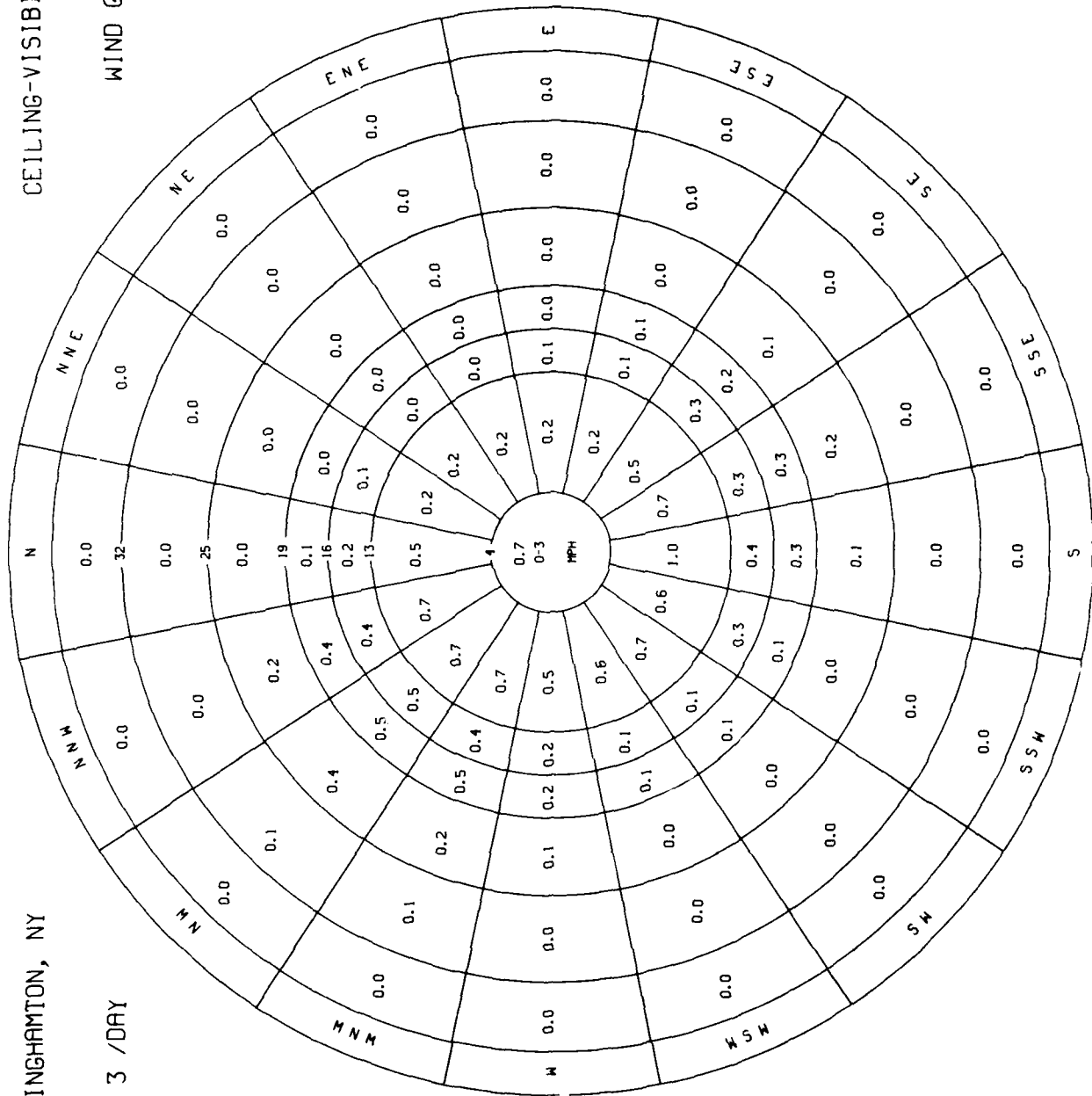
NO. OBS.: 7642

STATION NUMBER: 04725

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.3	.7	3.3	.2	1.0	.1	.4	.0	.2	.0	.0	.0	.0	1.2	5.3	10.4
NNE	.0	.2	.3	1.5	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5	2.2	9.1
NNE	.0	.2	.4	1.7	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5	2.4	8.8
ENE	.1	.2	.4	1.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.6	2.7	9.0
E	.0	.2	.4	1.7	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5	2.5	9.6
ESE	.0	.1	.4	1.9	.1	.6	.1	.4	.0	.2	.0	.0	.0	.0	.7	3.3	11.7
SE	.1	.2	.8	3.6	.4	1.8	.2	1.0	.2	.8	.0	.1	.0	.0	1.7	7.7	12.6
SSE	.1	.4	1.1	4.8	.5	2.3	.4	1.7	.2	1.0	.0	.2	.0	.0	2.3	10.3	12.7
S	.1	.5	1.4	6.3	.4	2.0	.3	1.5	.1	.5	.0	.1	.0	.0	2.4	10.9	11.2
SSW	.1	.3	.8	3.5	.2	1.1	.1	.5	.0	.2	.0	.0	.0	.0	1.2	5.5	10.6
SW	.1	.4	.7	3.3	.2	.7	.1	.2	.0	.1	.0	.0	.0	.0	1.1	4.8	9.4
WSW	.1	.4	.7	3.0	.1	.4	.1	.4	.0	.1	.0	.0	.0	.0	1.0	4.3	9.2
W	.1	.4	.7	3.1	.2	1.0	.2	.7	.1	.6	.0	.2	.0	.0	1.3	6.1	11.8
WNW	.1	.4	1.0	4.7	.4	1.8	.4	1.8	.2	.9	.1	.2	.0	.1	2.2	9.9	12.7
NW	.1	.4	1.0	4.4	.6	2.6	.5	2.3	.3	1.3	.1	.4	.0	.1	2.6	11.5	13.8
NNW	.1	.3	1.0	4.3	.5	2.3	.4	1.9	.2	.8	.0	.2	.0	.0	2.2	9.7	12.9
CALM	.2	1.1													.2	1.1	
TOTAL	1.3	6.1	11.8	53.1	4.2	18.9	3.0	13.5	1.5	6.6	.4	1.6	.1	.3	22.1	100	11.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BGM BINGHAMTON, NY

PERIOD: 1952-1978

CLASS 3 / DAY

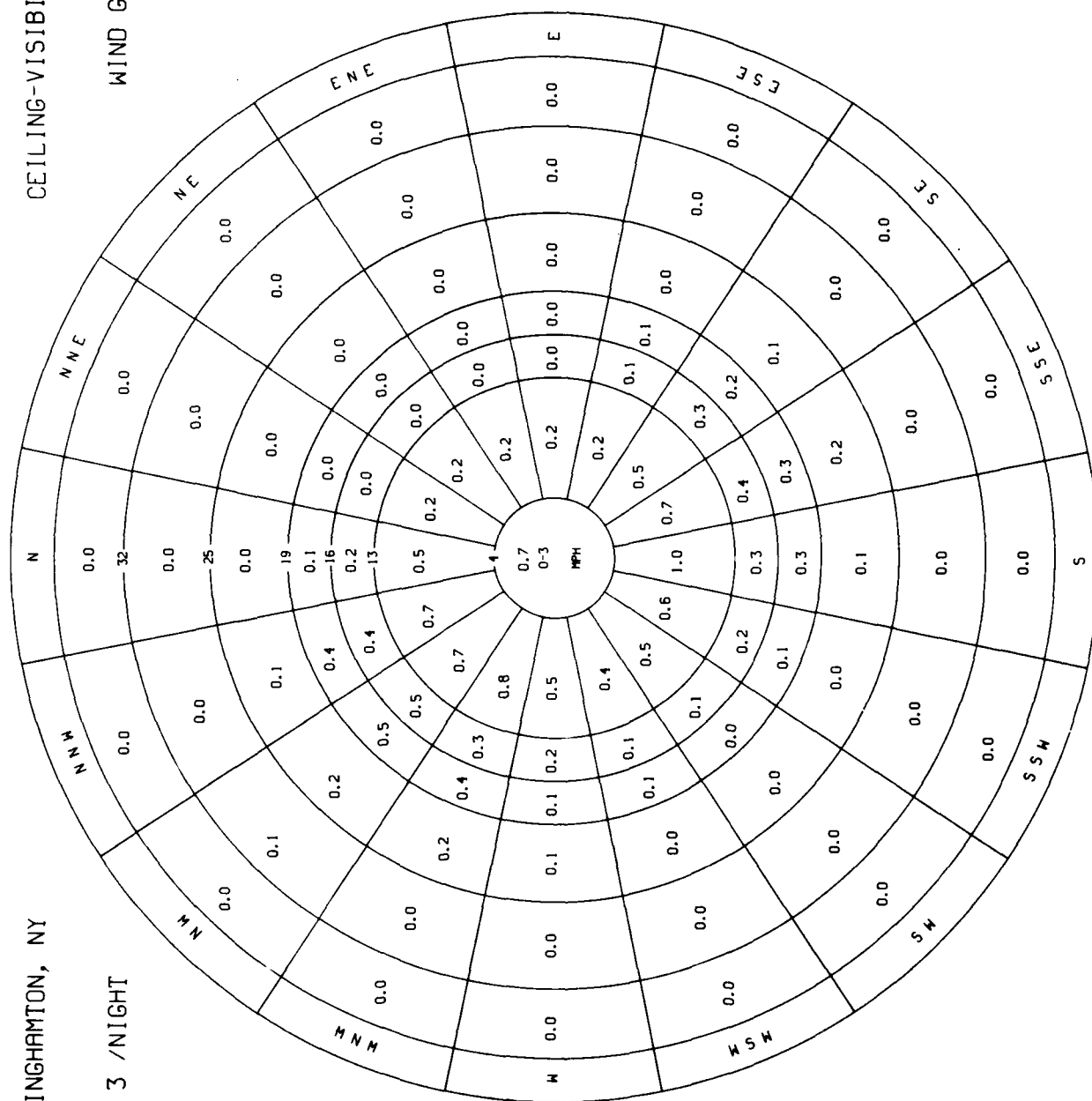
STATION NUMBER: 04725

NO. OBS.: 7610

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.5	2.8	.2	1.0	.1	.6	.0	.2	.0	.0	.0	.0	.8 4.9
NNE	.0	.2	.2	1.3	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.0
NNE	.0	.1	.2	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.4
ENE	.0	.2	.2	1.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 1.7
E	.0	.1	.2	.9	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.3 1.6
ESE	.0	.1	.2	1.4	.1	.5	.1	.5	.0	.2	.0	.0	.0	.0	.5 2.9
SE	.0	.2	.5	3.1	.3	1.8	.2	1.4	.1	.8	.0	.1	.0	.0	1.3 7.5
SSE	.0	.1	.7	4.2	.3	1.9	.3	1.9	.2	1.1	.0	.3	.0	.0	1.6 9.5
S	.1	.4	1.0	5.6	.4	2.5	.3	1.6	.1	.5	.0	.1	.0	.0	1.8 10.7
SSW	.0	.2	.6	3.8	.3	1.5	.1	.8	.0	.2	.0	.0	.0	.0	1.1 6.5
SW	.0	.3	.7	3.9	.1	.8	.1	.4	.0	.1	.0	.0	.0	.0	.9 5.5
WSW	.1	.3	.6	3.3	.1	.8	.1	.3	.0	.1	.0	.0	.0	.0	.8 4.9
W	.0	.3	.5	3.2	.2	1.2	.2	1.0	.1	.4	.0	.1	.0	.0	1.1 6.2
WNW	.1	.3	.7	4.0	.4	2.3	.5	2.6	.2	1.4	.1	.4	.0	.0	1.9 11.1
NW	.0	.2	.7	4.4	.5	3.2	.5	2.6	.4	2.1	.1	.7	.0	.1	2.3 13.3
NNW	.0	.3	.7	3.8	.4	2.4	.4	2.1	.2	1.2	.0	.2	.0	.0	1.7 9.9
CALM	.1	.7													.1 .7
TOTAL	.7	4.3	8.2	47.8	3.6	21.0	2.8	16.1	1.5	8.5	.3	1.9	.0	.2	17.1 100

BGM BINGHAMTON, NY

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BGM BINGHAMTON, NY

PERIOD: 1952-1978

CLASS 3 / NIGHT

STATION NUMBER: 04725

NO. OBS.: 5482

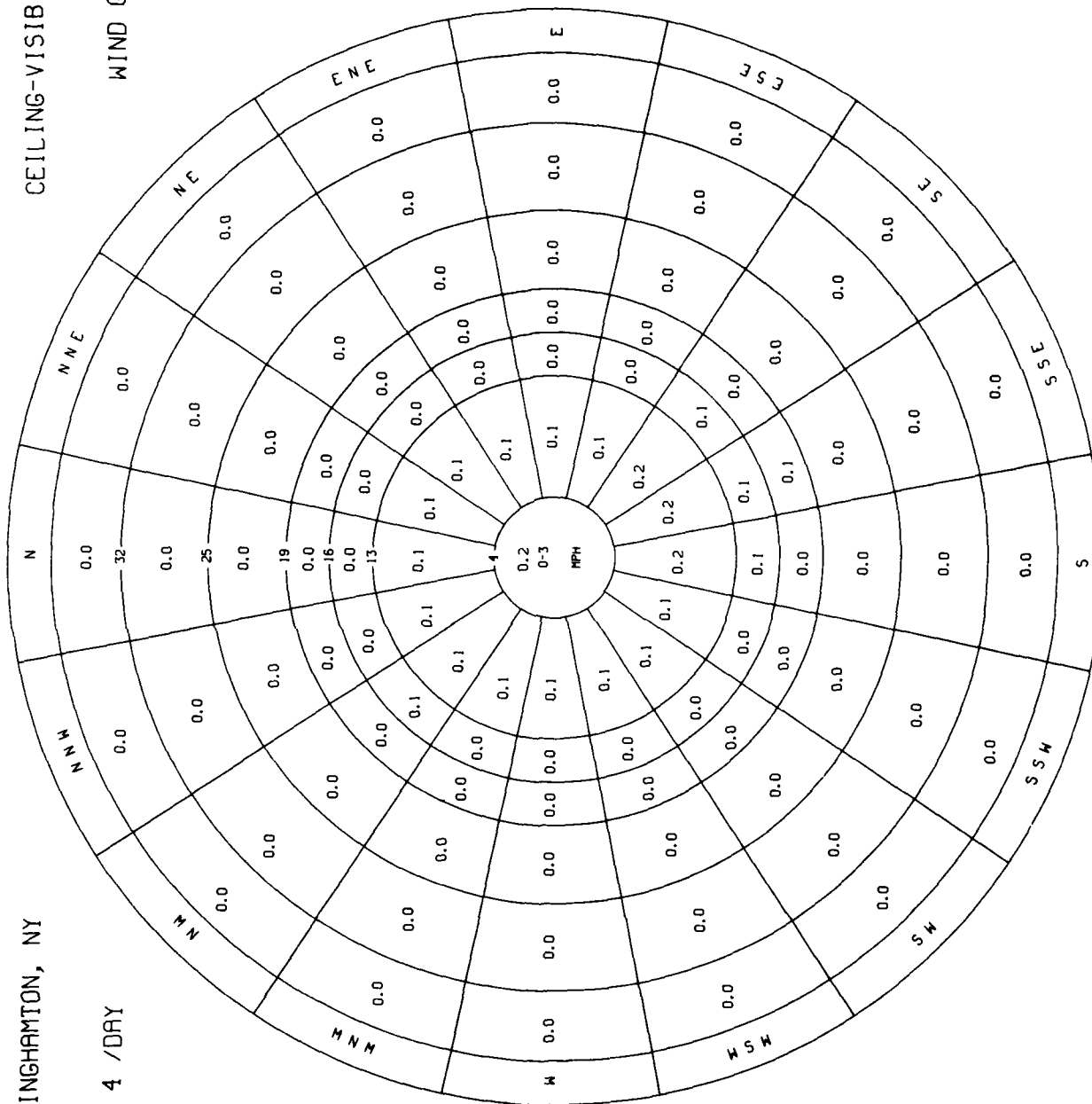
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.4	.5	3.1	.2	1.0	.1	.4	.0	.1	.0	.0	.0	.0	.8 5.1 10.3
NNE	.0	.2	.2	1.3	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.0 9.0
NE	.0	.1	.2	1.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3 1.9 8.9
ENE	.0	.2	.2	1.5	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.4 2.2 9.5
E	.0	.1	.2	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 1.7 9.7
ESE	.0	.0	.2	1.5	.1	.7	.1	.5	.0	.2	.0	.1	.0	.0	.5 3.0 12.9
SE	.0	.2	.5	2.9	.3	1.5	.2	1.2	.1	.9	.0	.1	.0	.0	1.1 7.0 13.4
SSE	.0	.3	.7	4.3	.4	2.4	.3	1.9	.2	1.1	.0	.2	.0	.0	1.6 10.3 13.4
S	.1	.3	1.0	6.1	.3	2.2	.3	1.8	.1	.6	.0	.1	.0	.0	1.8 11.1 11.8
SSW	.0	.1	.6	3.7	.2	1.3	.1	.6	.0	.2	.0	.0	.0	.0	1.0 6.0 11.3
SW	.0	.3	.5	3.1	.1	.8	.0	.3	.0	.1	.0	.0	.0	.0	.7 4.6 10.0
WSW	.0	.3	.4	2.6	.1	.5	.1	.5	.0	.1	.0	.1	.0	.0	.6 4.0 10.1
W	.1	.3	.5	3.0	.2	1.1	.1	.9	.1	.7	.0	.1	.0	.0	1.0 6.2 12.4
WNW	.0	.3	.8	4.8	.3	2.1	.4	2.3	.2	1.1	.0	.2	.0	.1	1.7 10.8 13.1
NW	.1	.3	.7	4.5	.5	3.0	.5	2.9	.2	1.4	.1	.5	.0	.1	2.0 12.7 14.3
NNW	.0	.2	.7	4.5	.4	2.6	.4	2.2	.1	.9	.0	.2	.0	.0	1.7 10.7 13.3
CALM	.1	.7													.1 .7
TOTAL	.7	4.5	7.9	49.5	3.2	20.2	2.5	16.0	1.2	7.7	.3	1.8	.1	.3	15.9 100 12.2

CEILING-VISIBILITY

WIND GRAPH

BGM BINGHAMTON, NY

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BGM BINGHAMTON, NY

PERIOD: 1952-1978

CLASS 4 / DAY

STATION NUMBER: 04725

NO. OBS.: 1388

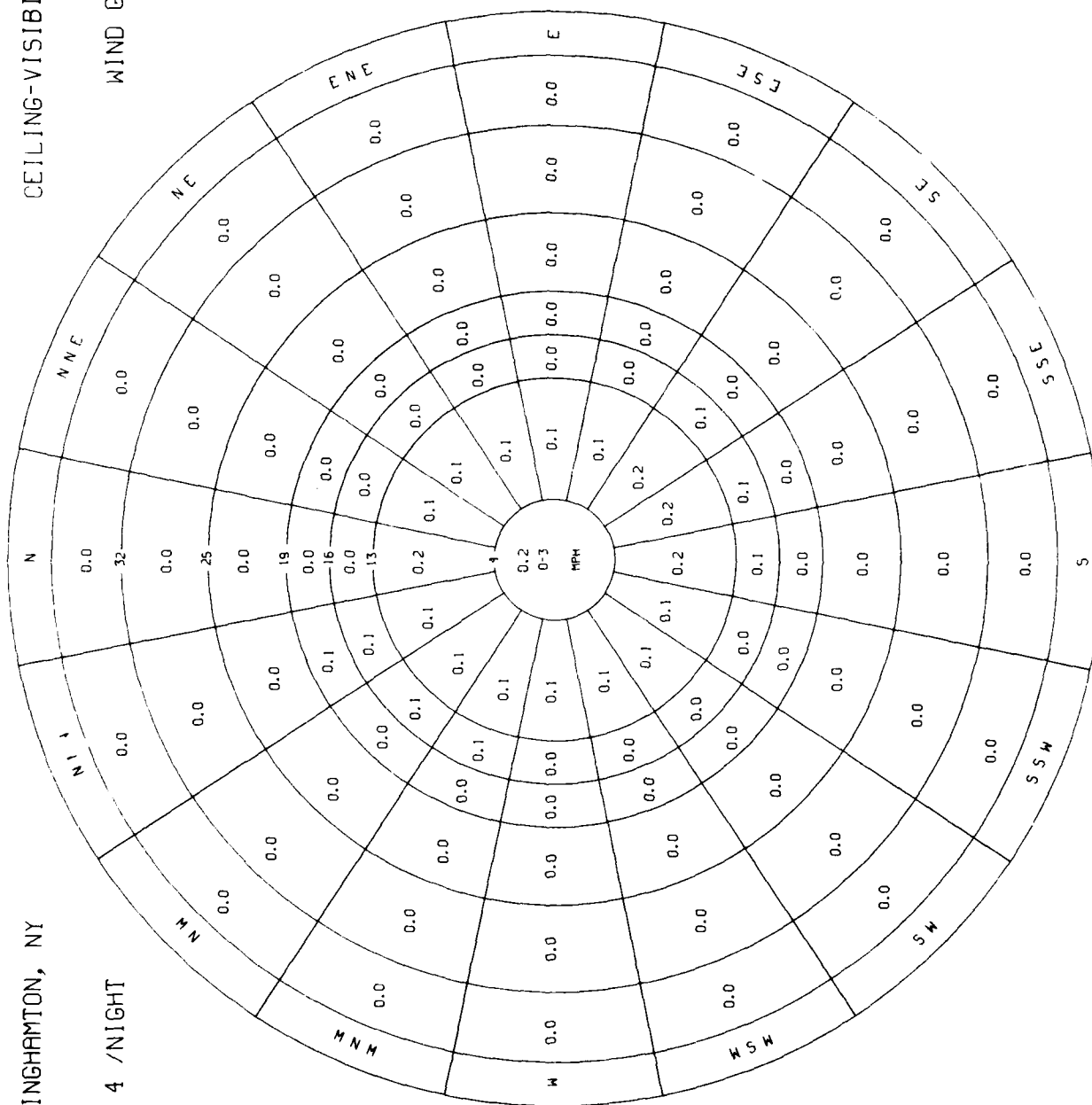
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.2	.1	4.0	.0	1.3	.0	.6	.0	.3	.0	.0	.0	.0	.2	6.4	10.6
NNE	.0	.3	.1	2.0	.0	.5	.0	.4	.0	.0	.0	.0	.0	.0	.1	3.2	9.9
NNE	.0	.5	.1	2.9	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1	4.0	8.7
ENE	.0	.4	.1	2.1	.0	.7	.0	.4	.0	.1	.0	.0	.0	.0	.1	3.6	10.3
E	.0	.4	.1	2.8	.0	.5	.0	.1	.0	.1	.0	.0	.0	.0	.1	4.0	9.6
ESE	.0	.4	.1	1.9	.0	.5	.0	.9	.0	.0	.0	.1	.0	.0	.1	3.9	10.9
SE	.0	.5	.2	5.0	.1	2.7	.0	1.0	.0	.6	.0	.0	.0	.1	.3	9.9	11.8
SSE	.0	.5	.2	5.7	.1	2.2	.1	1.7	.0	.7	.0	.1	.0	.0	.3	11.0	11.6
S	.0	.5	.2	6.1	.1	1.7	.0	.9	.0	.1	.0	.0	.0	.0	.3	9.3	10.1
SSW	.0	.3	.1	3.7	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.8	8.8
SW	.0	.1	.1	3.2	.0	.4	.0	.1	.0	.1	.0	.1	.0	.0	.1	4.0	9.2
WSW	.0	.3	.1	3.2	.0	.4	.0	.2	.0	.3	.0	.0	.0	.0	.1	4.3	9.2
W	.0	.4	.1	2.8	.0	.9	.0	.2	.0	.3	.0	.1	.0	.0	.1	4.8	10.5
WNW	.0	.1	.1	3.8	.0	.9	.0	1.2	.0	.9	.0	.2	.0	.0	.2	7.3	12.6
NW	.0	.6	.1	4.4	.1	1.7	.0	1.4	.0	1.0	.0	.7	.0	.1	.3	9.9	13.3
NNW	.0	.4	.1	4.4	.0	1.4	.0	1.4	.0	.8	.0	.1	.0	.0	.3	8.4	12.1
CALM	.0	1.4													.0	1.4	
TOTAL	.2	7.4	1.8	58.0	.5	16.5	.3	11.2	.2	5.4	.0	1.4	.0	.1	.3	11.0	10.8

CEILING-VISIBILITY

WIND GRAPH

BGM BINGHAMTON, NY

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BGM BINGHAMTON, NY

PERIOD: 1952-1978

CLASS 4 / NIGHT

STATION NUMBER: 04725

NO. OBS.: 1146

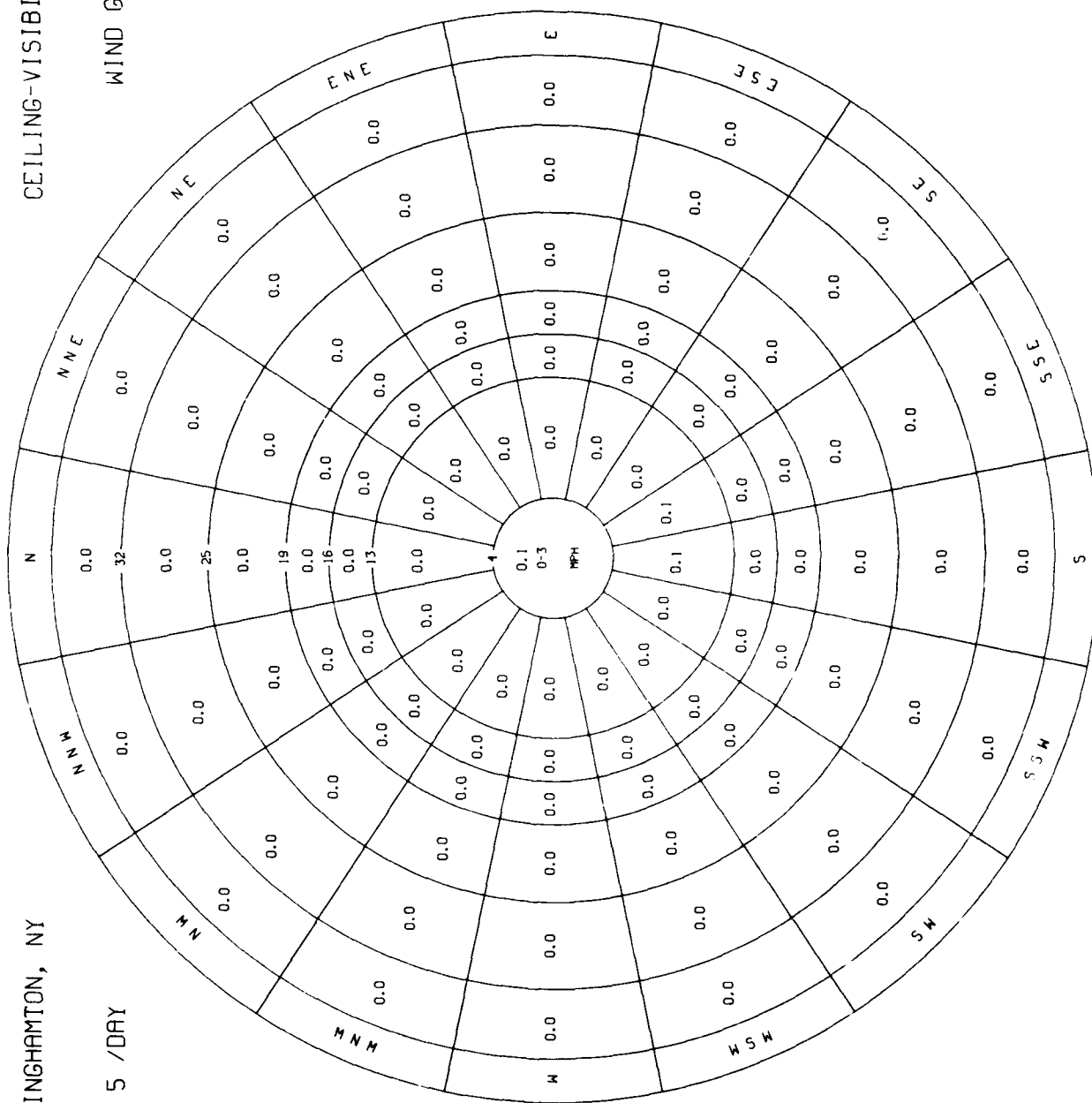
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.0	.1	.2	4.9	.0	1.1	.0	.3	.0	.3	.0	.0	.0	.0	.0	.2	6.7	10.4
NNE	.0	.3	.1	2.4	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	3.1	8.6
NE	.0	.3	.1	2.4	.0	.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.1	3.7	9.6
ENE	.0	.3	.1	2.4	.0	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	3.5	9.4
E	.0	.1	.1	3.5	.0	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	4.9	9.9
ESE	.0	.1	.1	2.4	.0	.8	.0	.3	.0	.1	.0	.0	.0	.0	.0	.1	3.6	10.9
SE	.0	.1	.2	5.1	.1	2.9	.0	1.0	.0	.8	.0	.0	.0	.0	.0	.3	9.9	12.0
SSE	.0	.3	.2	4.9	.1	1.8	.0	1.5	.0	.7	.0	.0	.0	.0	.0	.3	9.2	11.7
S	.0	.4	.2	5.3	.1	2.2	.0	.8	.0	.3	.0	.1	.0	.0	.0	.3	9.1	10.8
SSW	.0	.4	.1	2.9	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	4.5	9.3
SW	.0	.4	.1	3.5	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.0	.2	4.7	8.8
WSW	.0	.3	.1	2.9	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	3.8	8.6
W	.0	.4	.1	2.4	.0	1.0	.0	.5	.0	.3	.0	.2	.0	.0	.0	.2	4.9	10.9
WNW	.0	.4	.1	4.2	.1	1.7	.0	.7	.0	.9	.0	.1	.0	.0	.0	.3	7.9	11.5
NW	.0	1.0	.1	4.5	.1	1.9	.0	1.1	.0	1.3	.0	.5	.0	.1	.0	.3	10.4	12.9
NNW	.0	.3	.1	3.8	.1	2.4	.1	1.7	.0	.6	.0	.2	.0	.0	.0	.3	9.1	12.8
CALM	.0	1.1													.0	1.1		
TOTAL	.2	6.5	1.9	57.5	7.2	20.0	3.3	9.4	.2	5.4	.0	1.1	.0	.1	.0	3.3	10.9	

CEILING-VISIBILITY

WIND GRAPH

BGM BINGHAMTON, NY

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BGM BINGHAMTON, NY

PERIOD: 1952-1978

CLASS 5 / DAY

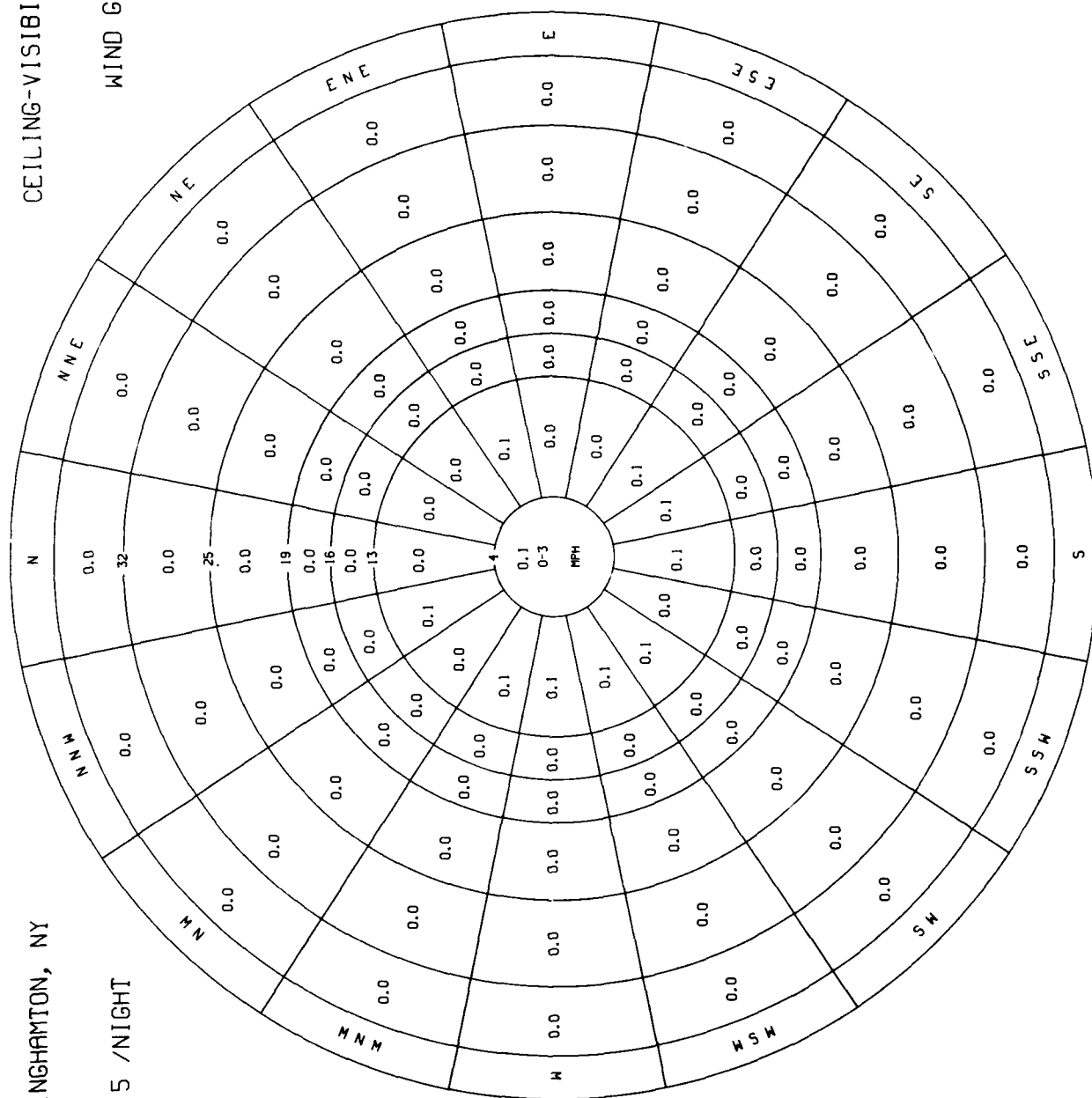
STATION NUMBER: 04725

NO. OBS.: 410

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.2	.0	2.2	.0	.5	.0	1.0	.0	.2	.0	.2	.0	.0	.0 4.4 11.4
NNE	.0	.5	.0	1.5	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0 2.7 11.4
NE	.0	.0	.0	2.9	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0 3.7 9.0
ENE	.0	.5	.0	4.4	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0 5.4 8.5
E	.0	1.2	.0	3.4	.0	1.5	.0	.0	.0	.2	.0	.0	.0	.0	.1 6.3 9.5
ESE	.0	.2	.0	1.7	.0	.7	.0	1.0	.0	.0	.0	.0	.0	.0	.0 3.7 11.9
SE	.0	.5	.0	4.9	.0	2.0	.0	1.2	.0	.2	.0	.0	.0	.0	.1 8.8 11.4
SSE	.0	.5	.1	9.3	.0	2.2	.0	.7	.0	.5	.0	.0	.0	.0	.1 13.2 10.7
S	.0	1.2	.1	7.6	.0	1.0	.0	.0	.0	.7	.0	.0	.0	.0	.1 10.5 9.8
SSW	.0	.5	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.4 6.7
SW	.0	.2	.0	3.4	.0	.0	.0	.5	.0	.0	.0	.2	.0	.0	.0 4.4 8.8
WSW	.0	.7	.0	3.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.1 7.1
W	.0	.7	.0	3.7	.0	.0	.0	.5	.0	.2	.0	.5	.0	.0	.1 5.6 9.7
WNW	.0	.2	.0	5.1	.0	.5	.0	.5	.0	.7	.0	.7	.0	.0	.1 7.8 12.3
NW	.0	.0	.0	5.1	.0	2.2	.0	.5	.0	.2	.0	.5	.0	.0	.1 8.5 11.9
NNW	.0	.2	.0	3.2	.0	.2	.0	.0	.0	.2	.0	.2	.0	.0	.0 4.1 9.5
CALM	.0	3.4													.0 3.4
TOTAL	.1	11.0	.6	64.4	.1	11.7	.1	6.1	.0	4.4	.0	2.4	.0	.0	.9 100 9.9

CEILING-VISIBILITY

WIND GRAPH



BGM BINGHAMTON, NY

CLASS 5 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BGM BINGHAMTON, NY

PERIOD: 1952-1978

CLASS 5 / NIGHT

STATION NUMBER: 04725

NO. OBS.: 504

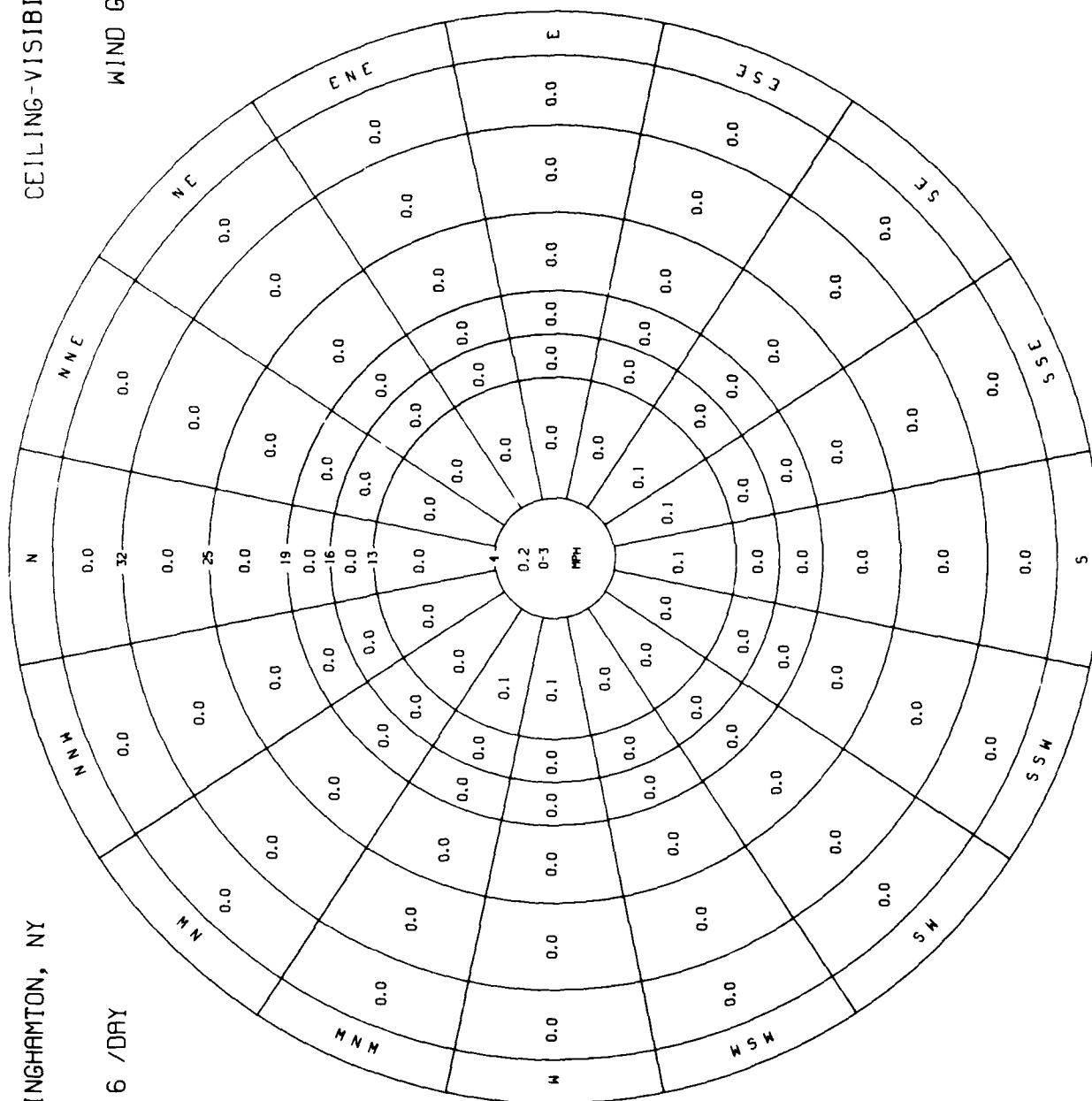
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.4	.0	2.8	.0	1.4	.0	.4	.0	.4	.0	.2	.0	.0	.1 5.6
NNE	.0	.0	.0	2.4	.0	.6	.0	.0	.0	.0	.0	.4	.0	.0	.0 3.4
NE	.0	.2	.0	2.6	.0	.4	.0	.2	.0	.2	.0	.0	.0	.0	.1 3.6
ENE	.0	.4	.1	3.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.4
E	.0	.4	.0	2.6	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.1 4.2
ESE	.0	.4	.0	1.8	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0 3.4
SE	.0	.4	.1	4.0	.0	2.0	.0	.6	.0	.2	.0	.0	.0	.0	.1 7.1
SSE	.0	.8	.1	6.0	.0	2.4	.0	1.0	.0	.4	.0	.0	.0	.2	.2 10.7
S	.0	1.4	.1	9.1	.0	1.2	.0	1.0	.0	.0	.0	.0	.0	.0	.2 12.7
SSW	.0	1.0	.0	2.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 3.6
SW	.0	.8	.1	4.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.0
WSW	.0	.4	.1	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.0
W	.0	.4	.1	5.0	.0	.4	.0	.2	.0	.8	.0	.4	.0	.2	.1 7.3
WNW	.0	.8	.1	4.2	.0	1.0	.0	1.0	.0	.8	.0	.8	.0	.2	.1 8.7
NW	.0	.0	.0	3.2	.0	1.4	.0	.6	.0	.4	.0	.2	.0	.0	.1 5.8
NNW	.0	.0	.1	5.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.1 5.4
CALM	.0	2.4													.0 2.4
TOTAL	.1	10.1	.9	64.3	.2	13.5	.1	6.2	.0	3.4	.0	2.0	.0	.6	1.5 100 9.7

CEILING-VISIBILITY

WIND GRAPH

BGM BINGHAMTON, NY

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BGM BINGHAMTON, NY

PERIOD: 1952-1978

CLASS 6 / DAY

STATION NUMBER: 04725

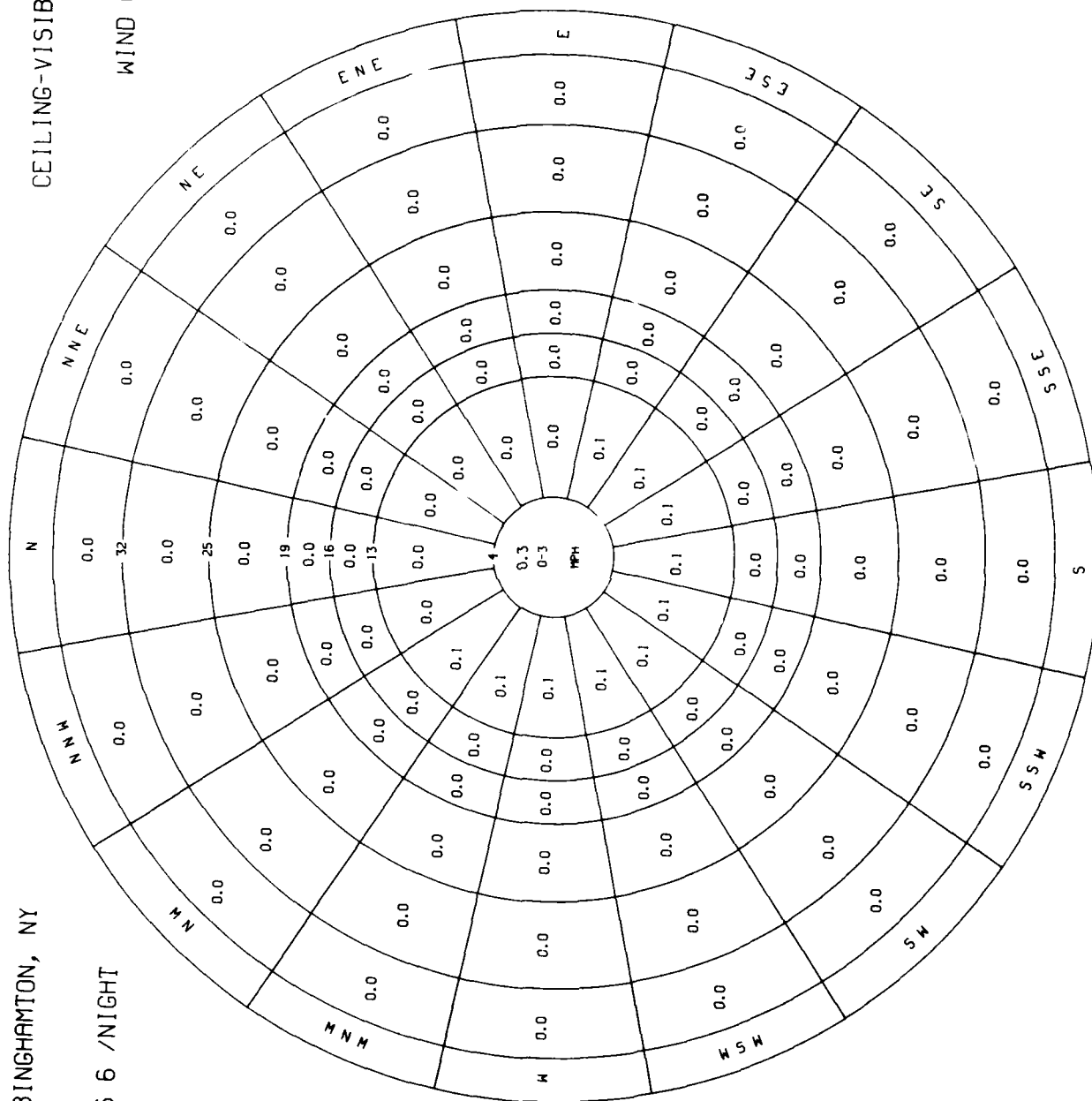
NO. OBS.: 444

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.7	.0	3.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	4.3	8.2
NNE	.0	.5	.0	.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.8	8.9
NE	.0	1.8	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	5.1
ENE	.0	.5	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	6.8
E	.0	.7	.0	4.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.6	7.1
ESE	.0	.5	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	7.0
SE	.0	1.1	.1	8.8	.0	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.1	11.5	8.3
SSE	.0	1.1	.1	8.6	.0	1.4	.0	.5	.0	.2	.0	.0	.0	.0	.1	11.7	8.8
S	.0	2.0	.1	5.4	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	8.1	7.0
SSW	.0	1.1	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.5
SW	.0	.9	.0	3.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	4.5	6.9
WSW	.0	.9	.0	5.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.1	6.6
W	.0	.9	.1	5.4	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.1	6.5	7.3
WNW	.0	2.0	.1	5.6	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.1	8.3	7.6
NW	.0	.9	.0	3.2	.0	.0	.0	.2	.0	.2	.0	.2	.0	.0	.0	4.7	8.6
NNW	.0	1.1	.0	4.3	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	6.1	8.4
CALM	.0	4.7													.0	4.7	
TOTAL	.2	21.4	.7	70.0	.1	5.2	.0	2.5	.0	.5	.0	.5	.0	.0	1.0	100	7.2

CEILING-VISIBILITY

CLASS 6 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BGM BINGHAMTON, NY

PERIOD: 1952-1978

CLASS 6 / NIGHT

STATION NUMBER: 04725

NO. OBS.: 510

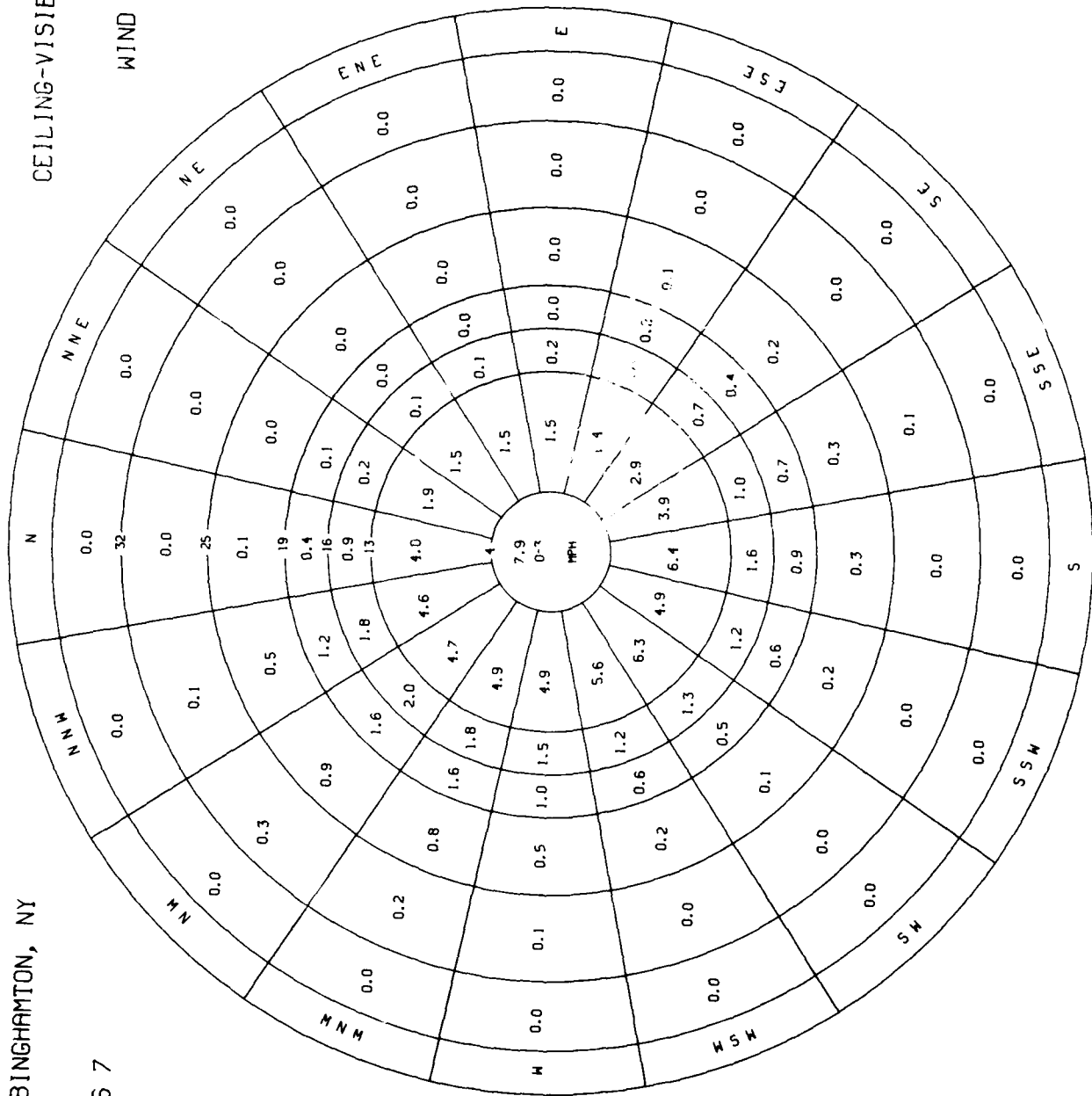
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.6	.0	2.5	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.1 3.7
NNE	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
N E	.0	1.2	.0	2.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.5
ENE	.0	.6	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.9
E	.0	.4	.0	2.9	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.1
ESE	.0	.8	.1	4.9	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1 5.9
SE	.0	.8	.1	7.5	.0	2.0	.0	.2	.0	.0	.0	.0	.0	.0	.2 10.4
SSE	.0	1.4	.1	8.2	.0	1.6	.0	1.0	.0	.0	.0	.0	.0	.0	.2 12.2
S	.0	1.4	.1	7.8	.0	.8	.0	.2	.0	.2	.0	.0	.0	.0	.2 10.4
SSW	.0	.8	.1	3.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.9
SW	.0	1.0	.1	3.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.3
WSW	.0	1.4	.1	5.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.3
W	.0	1.2	.1	4.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.5
WNW	.0	1.0	.1	4.7	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.1 6.3
NW	.0	.6	.1	5.1	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.1 6.9
NNW	.0	1.0	.0	3.1	.0	.8	.0	.4	.0	.2	.0	.0	.0	.0	.1 5.5
CALM	.1	3.9													.1 3.9
TOTAL	.3	18.0	1.0	70.2	.1	8.4	.0	2.7	.0	.6	.0	.0	.0	.0	1.5 100
															7.6

BGM BINGHAMTON, NY

CLASS 7

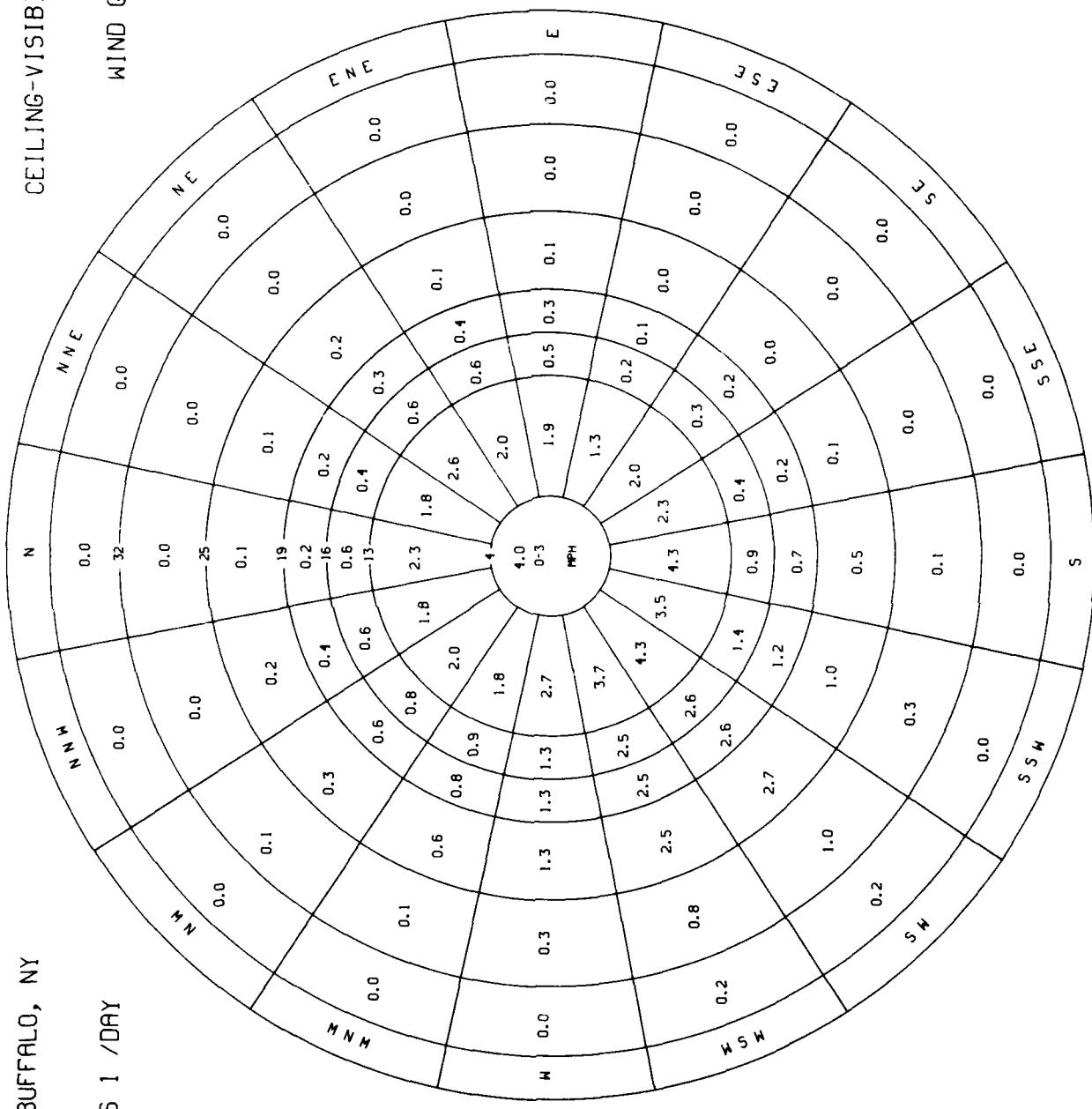
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY
WIND GRAPH

BUF BUFFALO, NY
CLASS 1 /DAY



PRECEDING PAGES BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BUF BUFFALO, NY

PERIOD: 1948-1978

CLASS 1 / DAY

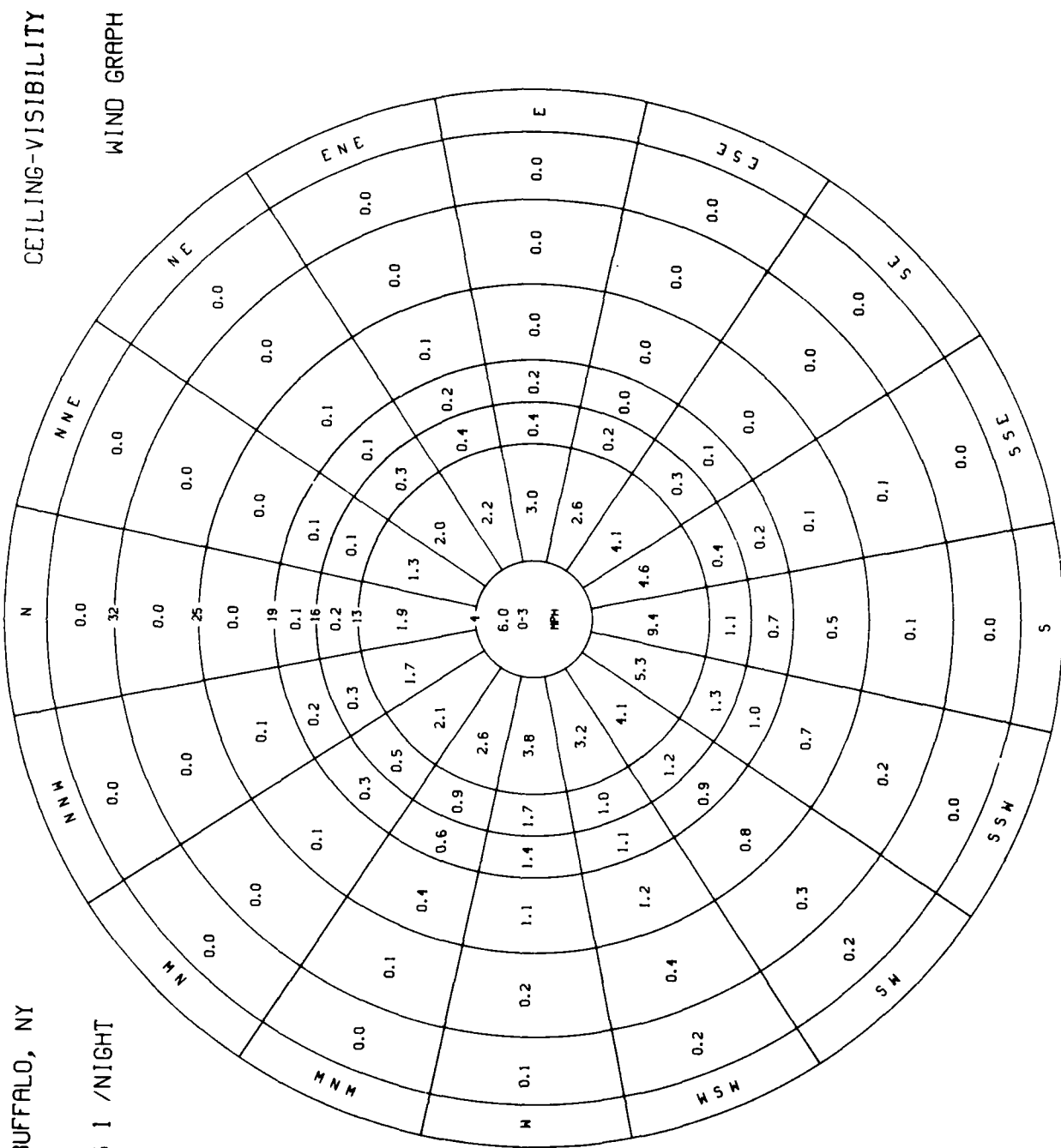
STATION NUMBER: 14733

NO. OBS.: 40315

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.3	.3	2.3	2.8	.6	.7	.2	.3	.1	.1	.0	.0	.0	.0	3.5 4.2
NNE	.1	.2	1.8	2.2	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.6 3.1
NE	.3	.4	2.6	3.1	.6	.7	.3	.4	.2	.2	.0	.0	.0	.0	4.0 4.8
ENE	.2	.2	2.0	2.4	.6	.7	.4	.4	.1	.2	.0	.0	.0	.0	3.3 3.9
E	.2	.2	1.9	2.2	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	2.9 3.4
ESE	.1	.1	1.3	1.6	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.7 2.1
SE	.3	.3	2.0	2.4	.3	.4	.2	.2	.0	.0	.0	.0	.0	.0	2.8 3.3
SSE	.2	.2	2.3	2.7	.4	.5	.2	.3	.1	.2	.0	.0	.0	.0	3.3 3.9
S	.4	.5	4.3	5.2	.9	1.1	.7	.8	.5	.6	.1	.2	.0	.0	7.0 8.3
SSW	.2	.3	3.5	4.1	1.4	1.6	1.2	1.4	1.0	1.1	.3	.3	.0	.0	7.5 8.9
SW	.3	.3	4.3	5.1	2.6	3.1	2.6	3.1	2.7	3.2	1.0	1.2	.2	.3	13.6 16.3
WSW	.2	.2	3.7	4.4	2.5	3.0	2.5	3.0	2.5	3.0	.8	1.0	.2	.2	12.4 14.8
W	.2	.2	2.7	3.2	1.3	1.6	1.3	1.6	1.3	1.6	.3	.4	.0	.0	7.3 8.7
WNW	.1	.1	1.8	2.2	.9	1.1	.8	.9	.6	.7	.1	.1	.0	.0	4.3 5.2
NW	.2	.2	2.0	2.3	.8	1.0	.6	.7	.3	.4	.1	.1	.0	.0	4.0 4.7
NNW	.1	.2	1.8	2.1	.6	.7	.4	.5	.2	.2	.0	.0	.0	.0	3.1 3.7
CALM	.7	.8													.7 .8
TOTAL	4.0	4.8	40.1	47.9	14.5	17.2	12.0	14.3	9.8	11.7	2.8	3.4	.6	.7	83.8 100

BUF BUFFALO, NY

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BUF BUFFALO, NY

PERIOD: 1948-1978

CLASS 1 / NIGHT

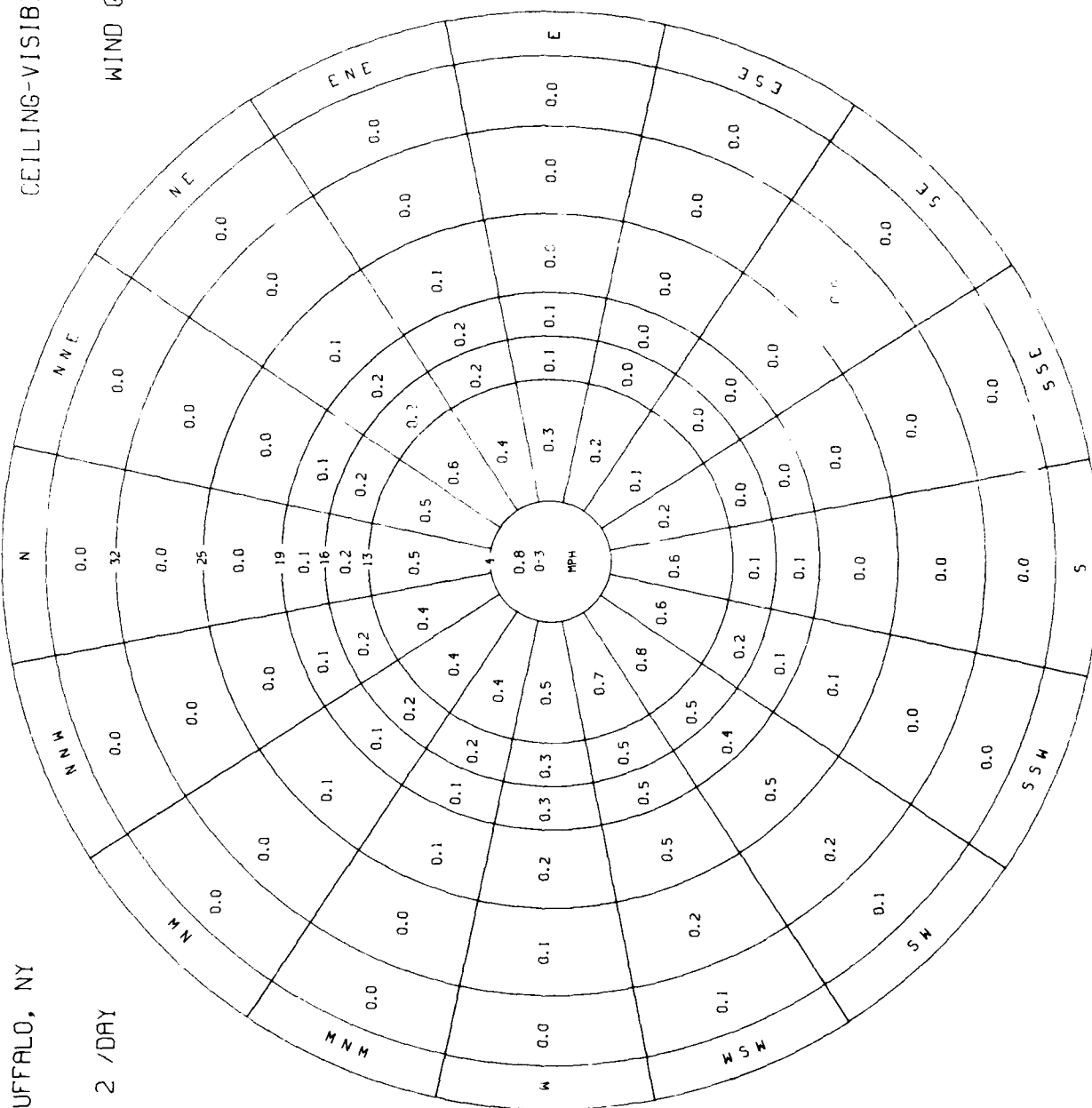
STATION NUMBER: 14733

NO. OBS.: 36082

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.3	.3	1.9	2.2	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.5	3.0	8.2
NNE	.3	.3	1.3	1.5	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.7	2.0	7.7
NE	.4	.4	2.0	2.4	.3	.3	.1	.2	.1	.1	.0	.0	.0	.0	2.9	3.4	8.5
ENE	.2	.3	2.2	2.6	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	3.2	3.8	9.5
E	.3	.3	3.0	3.6	.4	.5	.2	.2	.0	.1	.0	.0	.0	.0	3.9	4.6	8.7
ESE	.3	.3	2.6	3.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.7	7.8
SE	.4	.5	4.1	4.8	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.9	5.8	8.6
SSE	.3	.3	4.6	5.5	.4	.5	.2	.2	.1	.2	.1	.1	.0	.0	5.8	6.8	9.4
S	.6	.7	9.4	11.1	1.1	1.2	.7	.8	.5	.6	.1	.1	.0	.0	12.4	14.6	9.5
SSW	.3	.4	5.3	6.2	1.3	1.6	1.0	1.2	.7	.8	.2	.2	.0	.0	8.8	10.4	11.3
SW	.4	.4	4.1	4.9	1.2	1.4	.9	1.1	.8	1.0	.3	.4	.2	.2	8.0	9.4	12.9
WSW	.2	.2	3.2	3.7	1.0	1.2	1.1	1.2	1.2	1.4	.4	.5	.2	.2	7.2	8.5	14.3
W	.2	.2	3.8	4.5	1.7	2.0	1.4	1.6	1.1	1.3	.2	.3	.1	.1	8.5	10.0	13.4
WNW	.2	.2	2.6	3.0	.9	1.0	.6	.7	.4	.5	.1	.1	.0	.0	4.7	5.6	12.0
NW	.2	.2	2.1	2.4	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	3.2	3.7	10.3
NNW	.2	.2	1.7	2.0	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.5	3.0	9.8
CHLM	1.5	1.8													1.5	1.8	
TOTAL	6.0	7.1	54.1	63.6	10.4	12.2	7.1	8.4	5.4	6.3	1.5	1.7	.5	.6	85.0	100	10.5

CEILING-VISIBILITY

WIND GRAPH



BUF BUFFALO, NY

CLASS 2 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BUF BUFFALO, NY

PERIOD: 1948-1978

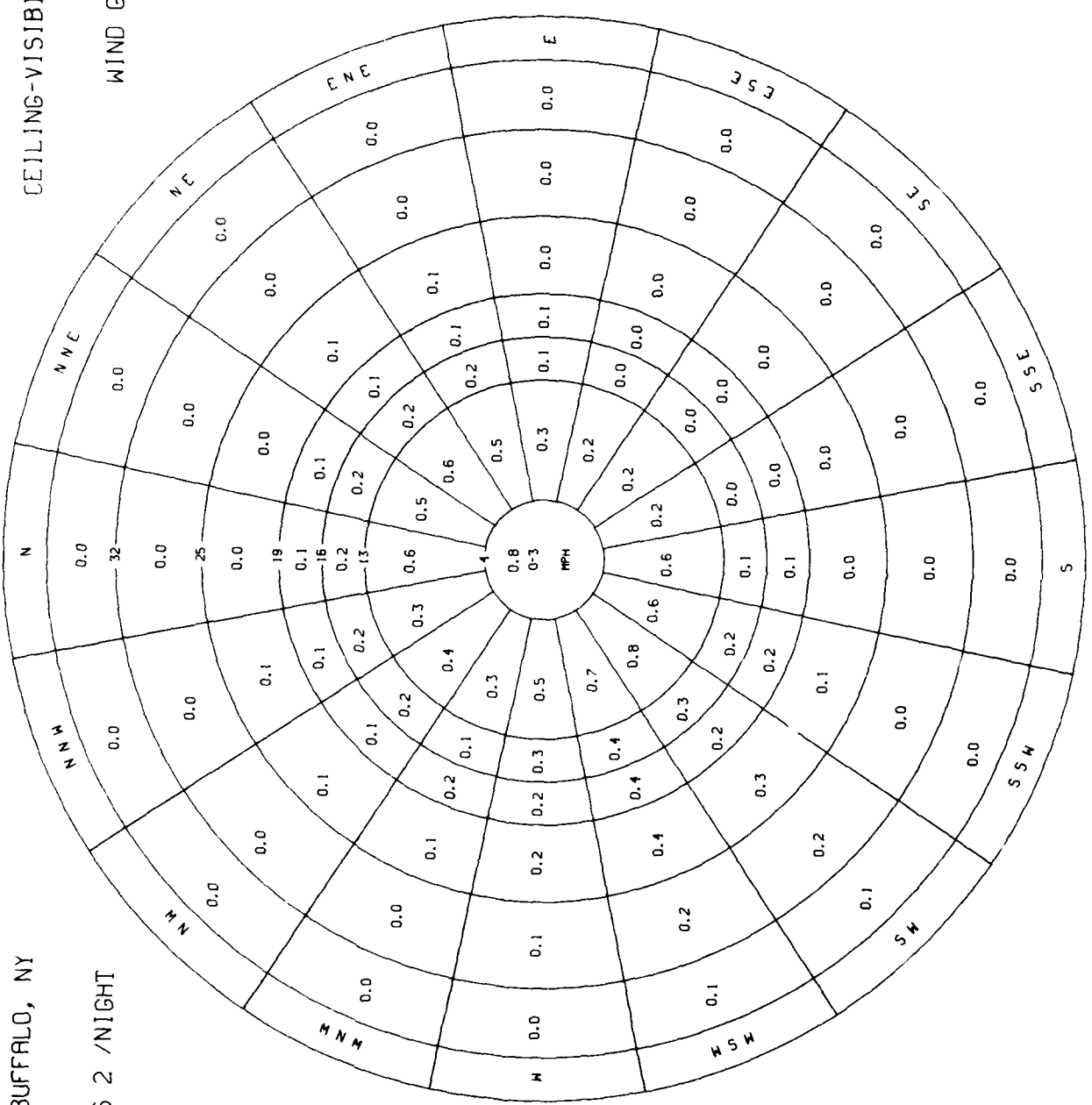
CLASS 2 / DAY

STATION NUMBER: 14733

NO. OBS.: 7789

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.4	.5	3.3	.2	1.1	.1	.7	.0	.3	.0	.0	.0	.0	.9 5.8
NNE	.0	.2	.5	3.0	.2	1.0	.1	.6	.0	.2	.0	.1	.0	.0	.8 5.1
NE	.0	.3	.6	3.9	.2	1.3	.2	1.2	.1	.6	.0	.1	.0	.0	1.2 7.4
ENE	.0	.2	.4	2.3	.2	1.2	.2	1.0	.1	.5	.0	.1	.0	.0	.9 5.3
E	.0	.2	.3	1.8	.1	.5	.1	.4	.0	.2	.0	.0	.0	.0	.5 3.1
ESE	.0	.1	.2	.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.2
SE	.0	.2	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.1
SSE	.0	.2	.2	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 1.6
S	.1	.4	.6	3.6	.1	.6	.1	.3	.0	.3	.0	.0	.0	.0	.9 5.4
SSW	.1	.3	.6	3.7	.2	1.2	.1	.9	.1	.8	.0	.3	.0	.1	1.2 7.3
SW	.1	.4	.8	5.0	.5	2.8	.4	2.5	.5	2.9	.2	1.5	.1	.7	2.6 15.9
WSW	.0	.2	.7	4.5	.5	2.8	.5	2.9	.5	3.2	.2	1.5	.1	.4	2.5 15.5
W	.0	.2	.5	3.3	.3	1.7	.3	1.8	.2	1.5	.1	.6	.0	.1	1.5 9.3
WNW	.0	.1	.4	2.7	.2	1.0	.1	.9	.1	.7	.0	.2	.0	.0	.9 5.6
NW	.0	.2	.4	2.4	.2	.9	.1	.8	.1	.5	.0	.1	.0	.0	.8 5.0
NNW	.0	.1	.4	2.2	.2	.9	.1	.7	.0	.3	.0	.0	.0	.0	.7 4.2
CALM	.2	1.0													.2 1.0
TOTAL	.8	4.8	7.3	44.8	17.2	17.2	2.4	14.9	2.0	12.2	.8	4.6	.2	1.4	16.2 100 13.3

BUF BUFFALO, NY
 CLASS 2 /NIGHT
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BUF BUFFALO, NY

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 14733

NO. OBS.: 6386

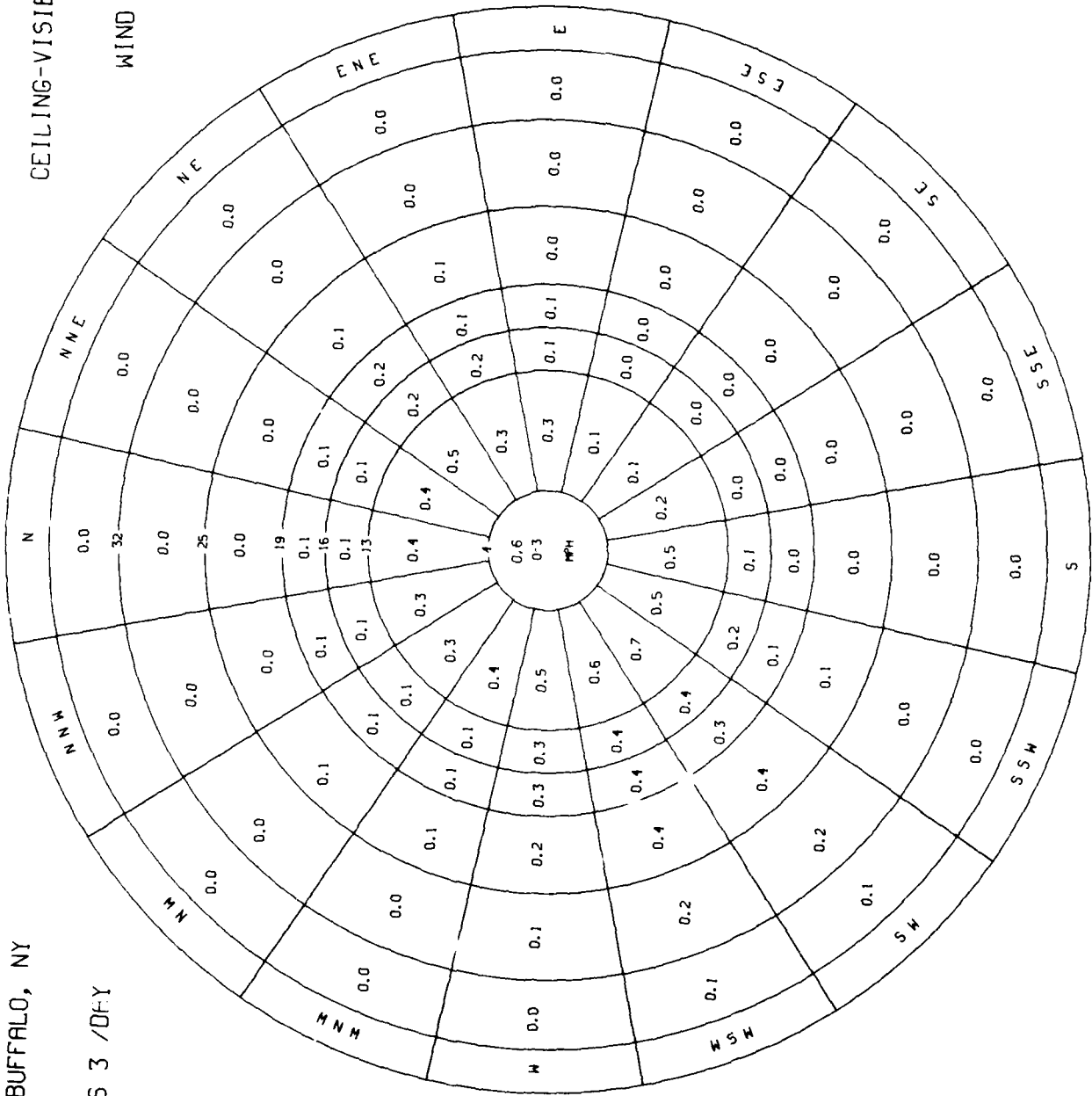
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.4	.6	4.1	.2	1.0	.1	.7	.0	.3	.0	.0	.0	.0	1.0 6.5 10.4
NNE	.0	.2	.5	3.1	.2	1.1	.1	.6	.0	.3	.0	.0	.0	.0	.8 5.4 11.1
NE	.1	.5	.6	4.3	.2	1.1	.1	.8	.1	.5	.0	.1	.0	.0	1.1 7.2 11.1
ENE	.0	.2	.5	3.0	.2	1.2	.1	.8	.1	.7	.0	.2	.0	.0	.9 6.1 12.6
E	.0	.2	.3	2.0	.1	.7	.1	.5	.0	.2	.0	.0	.0	.0	.6 3.7 11.2
ESE	.0	.1	.2	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.4 8.2
SE	.0	.1	.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.2 7.0
SSE	.0	.2	.2	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 1.7 8.5
S	.1	.5	.6	4.1	.1	.7	.1	.4	.0	.3	.0	.0	.0	.0	.9 6.0 9.4
SSW	.0	.2	.6	4.1	.2	1.0	.2	1.0	.1	.8	.0	.3	.0	.1	1.2 7.7 12.5
SW	.1	.5	.8	5.6	.3	2.1	.2	1.5	.3	2.3	.2	1.1	.1	.5	2.0 13.5 14.9
WSW	.0	.2	.7	4.3	.4	2.4	.4	2.9	.4	2.6	.2	1.4	.1	.5	2.1 14.3 16.4
W	.0	.3	.5	3.6	.3	1.7	.2	1.6	.2	1.2	.1	.5	.0	.1	1.3 9.0 14.0
WNW	.0	.2	.3	2.3	.1	.9	.2	1.1	.1	.5	.0	.1	.0	.0	.8 5.1 12.9
NW	.0	.2	.4	2.4	.2	1.1	.1	.8	.1	.4	.0	.1	.0	.0	.7 4.9 12.3
NNW	.0	.2	.3	2.3	.2	1.2	.1	.8	.1	.4	.0	.2	.0	.0	.7 4.9 12.3
CALM	.2	1.3													.2 1.3
TOTAL	.8	5.6	7.3	48.7	2.5	16.4	2.0	13.5	1.6	10.5	.6	4.0	.2	1.2	15.0 100 12.6

BUF BUFFALO, NY

CLASS 3 /DF-Y

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BUF BUFFALO, NY

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 14733

NO. OBS.: 6417

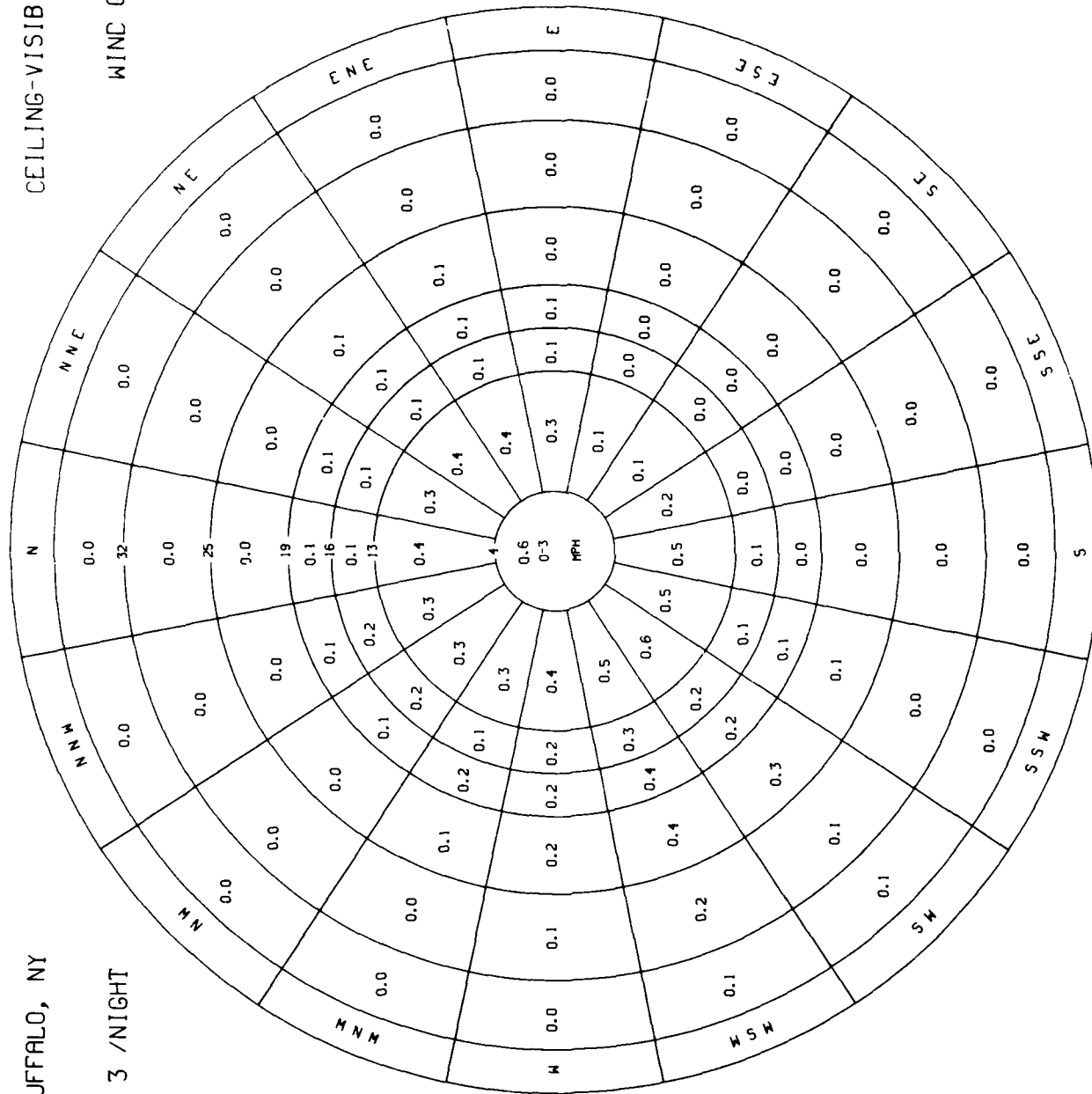
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.3	.4	3.0	.1	1.1	.1	.6	.0	.2	.0	.0	.0	.0	.0	.7	5.2	10.9
NNE	.0	.2	.4	2.8	.1	1.0	.1	.6	.0	.2	.0	.1	.0	.1	.0	.6	4.8	11.3
NE	.0	.3	.5	3.8	.2	1.4	.2	1.1	.1	.6	.0	.1	.0	.1	.0	1.0	7.3	12.2
ENE	.0	.2	.3	2.3	.2	1.2	.1	1.0	.1	.5	.0	.1	.0	.1	.0	.7	5.2	12.7
E	.0	.2	.3	1.9	.1	.5	.1	.4	.0	.2	.0	.0	.0	.0	.0	.4	3.3	10.9
ESE	.0	.1	.1	.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	1.1	8.4
SE	.0	.1	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	1.1	8.2
SSE	.0	.2	.2	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	1.7	8.5
S	.1	.5	.5	3.8	.1	.7	.0	.3	.0	.3	.0	.0	.0	.0	.0	.7	5.6	9.7
SSW	.0	.2	.5	3.5	.2	1.2	.1	.9	.1	.9	.0	.3	.0	.1	.0	.9	7.0	12.8
SW	.1	.4	.7	5.0	.4	2.8	.3	2.4	.4	3.0	.2	1.5	.1	.6	.0	2.1	15.8	16.2
WSW	.0	.2	.6	4.3	.4	3.0	.4	3.1	.4	3.4	.2	1.4	.1	.4	.0	2.1	15.8	16.4
W	.0	.1	.5	3.5	.3	1.9	.3	2.0	.2	1.7	.1	.6	.0	.1	1.3	9.9	14.9	
WNW	.0	.1	.4	2.7	.1	1.1	.1	.9	.1	.7	.0	.1	.0	.0	.8	5.7	13.0	
NW	.0	.2	.3	2.5	.1	1.0	.1	.9	.1	.5	.0	.1	.0	.0	.7	5.2	12.6	
NNW	.0	.1	.3	2.2	.1	1.0	.1	.8	.0	.4	.0	.0	.0	.0	.6	4.4	12.1	
CALM	.1	1.0													.1	1.0		
TOTAL	.6	4.4	5.9	44.2	3.4	17.9	2.0	15.2	1.7	12.6	.6	4.3	.1	1.0	13.3	100		13.3

BUF BUFFALO, NY

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BUF BUFFALO, NY

PERIOD: 1948-1978

CLASS 3 / NIGHT

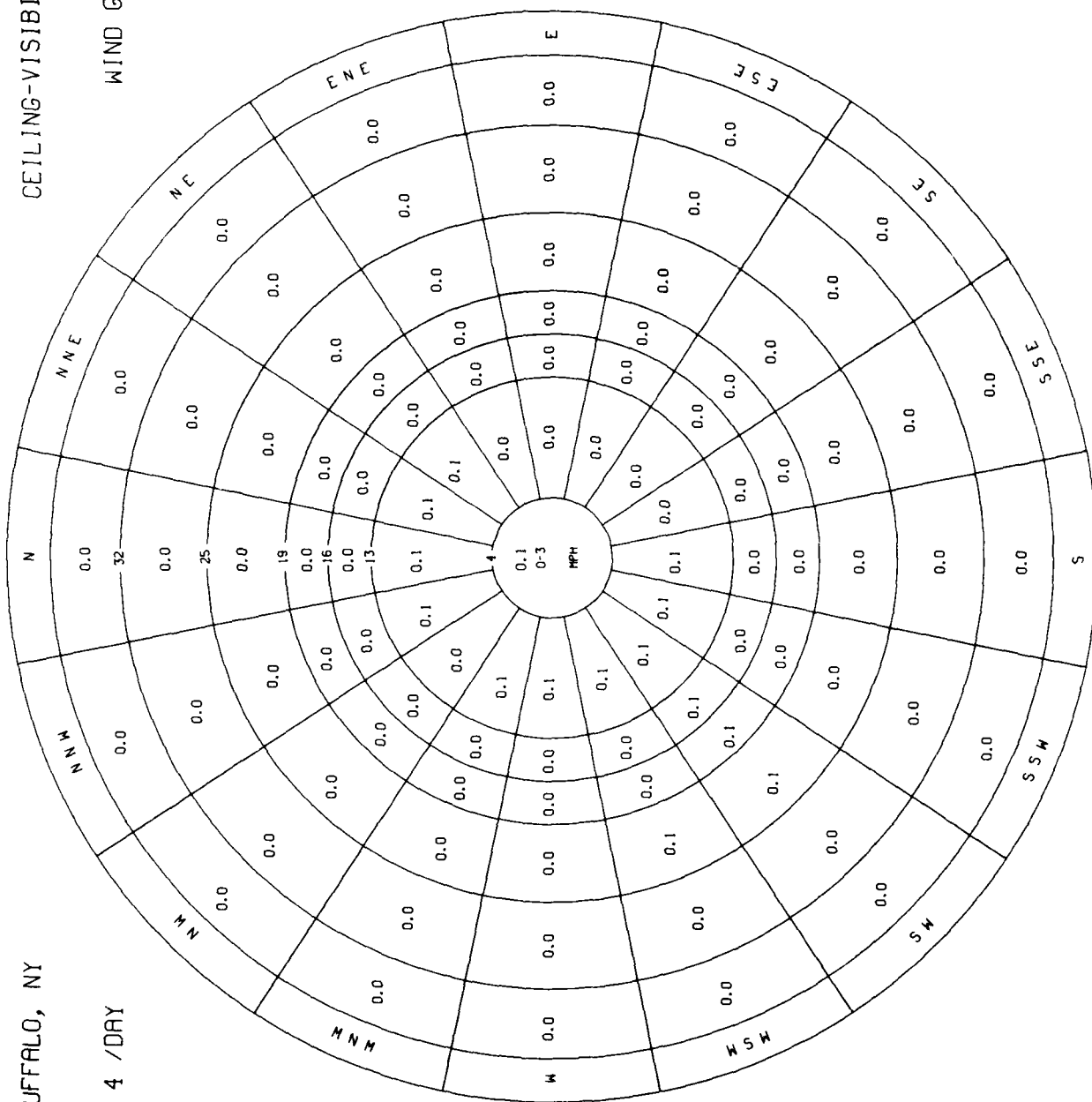
STATION NUMBER: 14733

NO. OBS.: 5046

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.3	.4	3.5	.1	1.1	.1	.7	.0	.4	.0	.0	.0	.0	.7	6.0	10.9
NNE	.0	.2	.3	2.2	.1	1.1	.1	.7	.0	.3	.0	.0	.0	.0	.5	4.5	11.7
NE	.1	.5	.4	3.5	.1	1.1	.1	.8	.1	.6	.0	.1	.0	.0	.8	6.5	11.4
ENE	.0	.2	.4	3.1	.1	1.2	.1	.7	.1	.8	.0	.2	.0	.0	.7	6.1	12.8
E	.0	.2	.3	2.2	.1	.8	.1	.5	.0	.2	.0	.0	.0	.0	.5	3.9	11.2
ESE	.0	.1	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.4	8.6
SE	.0	.1	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.3	7.2
SSE	.0	.1	.2	1.4	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.2	1.8	8.7
S	.1	.5	.5	4.1	.1	.7	.0	.3	.0	.3	.0	.0	.0	.0	.7	6.0	9.2
SSW	.0	.3	.5	4.1	.1	1.0	.1	1.1	.1	.9	.0	.3	.0	.1	.9	7.7	12.7
SW	.0	.4	.6	5.2	.2	2.0	.2	1.5	.3	2.4	.1	1.0	.1	.5	1.5	13.0	15.1
WSW	.0	.2	.5	4.3	.3	2.5	.4	3.1	.4	3.0	.2	1.4	.1	.4	1.8	15.0	16.6
W	.0	.2	.4	3.8	.2	1.9	.2	2.0	.2	1.3	.1	.5	.0	.1	1.2	9.8	14.2
WNW	.0	.2	.3	2.4	.1	1.1	.2	1.3	.1	.5	.0	.1	.0	.0	.7	5.5	13.0
NW	.0	.2	.3	2.4	.2	1.3	.1	.9	.0	.4	.0	.1	.0	.0	.6	5.2	12.5
NNW	.0	.2	.3	2.3	.2	1.3	.1	.9	.0	.4	.0	.1	.0	.0	.6	5.1	12.3
CALM	.1	1.2													.1	1.2	
TOTAL	.6	5.1	5.5	46.6	2.1	17.6	1.7	14.5	1.3	11.3	.5	3.9	.1	1.1	11.9	100	12.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BUF BUFFALO, NY

PERIOD: 1948-1978

CLASS 4 / DAY

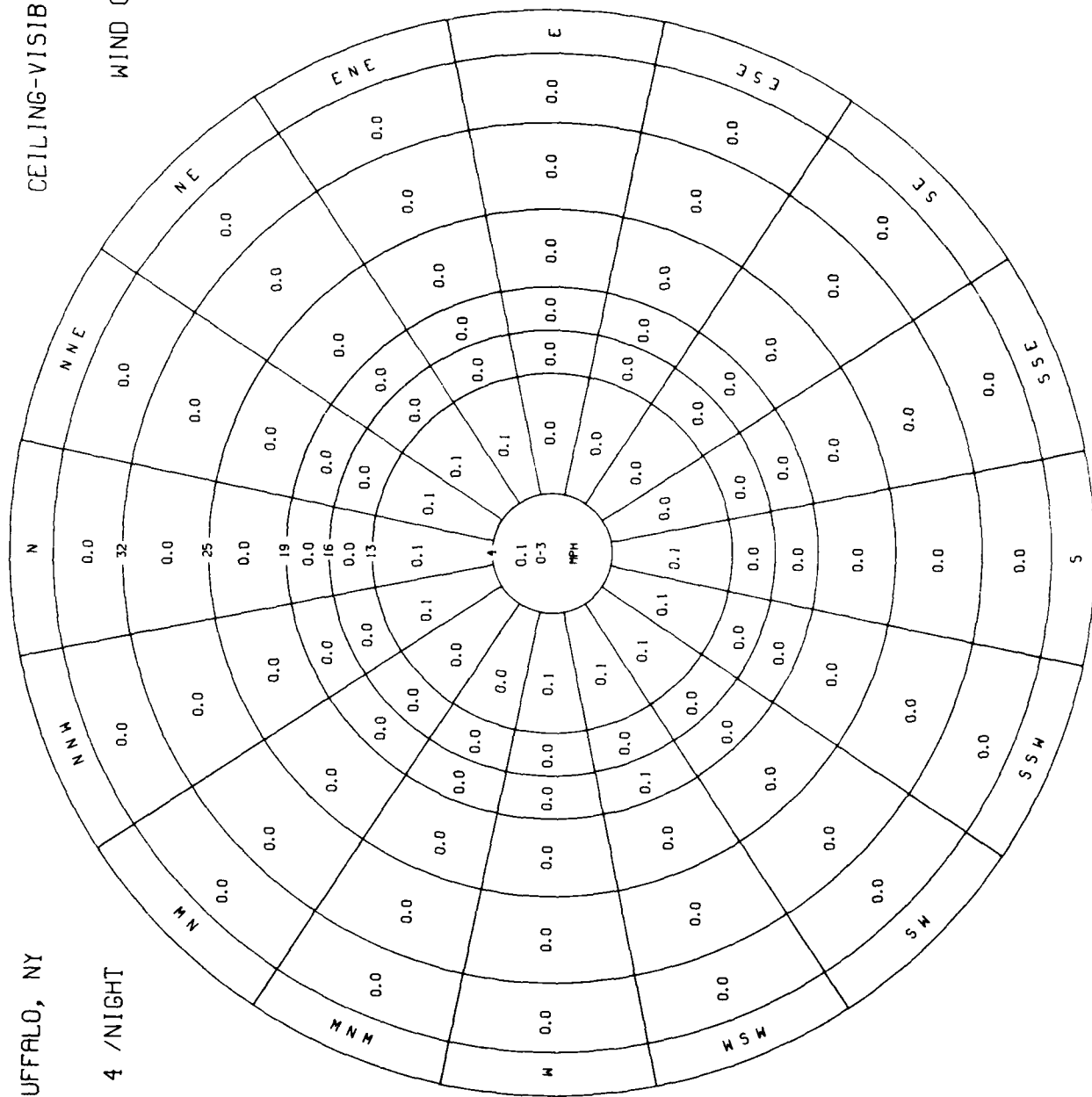
STATION NUMBER: 14733

NO. OBS.: 1001

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.9	.1	5.2	.0	1.2	.0	1.3	.0	.8	.0	.0	.0	.0	.2 9.4
NNE	.0	.1	.1	3.6	.0	1.0	.0	.8	.0	.2	.0	.2	.0	.0	.1 5.9
NE	.0	.3	.1	4.4	.0	.9	.0	1.3	.0	.6	.0	.1	.0	.0	.2 7.6
ENE	.0	.2	.0	2.3	.0	1.6	.0	1.1	.0	.5	.0	.4	.0	.0	.1 6.1
E	.0	.2	.0	1.5	.0	.3	.0	.4	.0	.3	.0	.0	.0	.0	.1 2.7
ESE	.0	.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
SE	.0	.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
SSE	.0	.0	.0	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0 .8
S	.0	.3	.1	2.9	.0	.5	.0	.4	.0	.2	.0	.0	.0	.1	.1 4.4
SSW	.0	.7	.1	4.2	.0	1.3	.0	1.1	.0	.8	.0	.3	.0	.0	.2 8.4
SW	.0	.1	.1	5.1	.1	3.0	.1	2.9	.1	2.8	.0	1.2	.0	.4	.3 15.5
WSW	.0	.3	.1	5.4	.0	2.0	.0	1.9	.1	2.8	.0	1.6	.0	.4	.3 14.4
W	.0	.3	.1	2.5	.0	.9	.0	1.2	.0	.8	.0	.5	.0	.6	.1 6.8
WNW	.0	.1	.1	2.8	.0	1.2	.0	.9	.0	1.0	.0	.1	.0	.0	.1 6.1
NW	.0	.5	.0	2.0	.0	.8	.0	.6	.0	.6	.0	.2	.0	.0	.1 4.7
NNW	.0	.0	.1	2.6	.0	1.0	.0	.1	.0	.1	.0	.0	.0	.0	.1 3.8
CALM	.0	.9													.0 .9
TOTAL	.1	5.5	1.0	47.2	.3	15.7	.3	14.1	.2	11.5	.1	4.6	.0	1.5	2.1 100 13.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BUF BUFFALO, NY

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 14733

NO. OBS.: 874

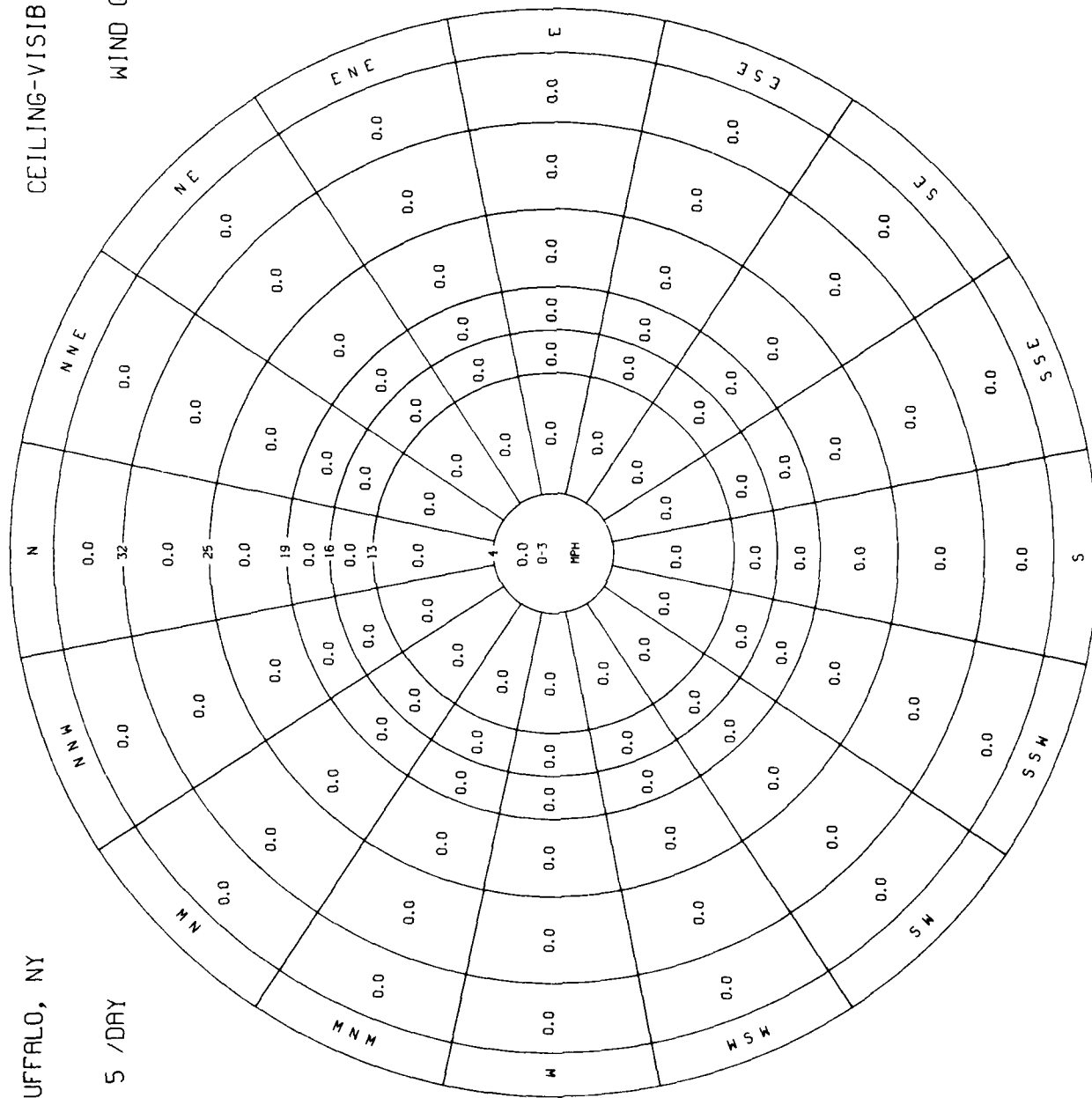
D I R	SPEED GROUPS (MPH)																		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	.6	.1	6.5	.0	.8	.0	.9	.0	.3	.0	.0	.0	.0	.0	.2	9.2	10.1	
NNE	.0	.3	.1	6.1	.0	1.1	.0	.8	.0	.6	.0	.0	.0	.0	.0	.2	8.9	10.6	
NE	.0	.5	.1	6.6	.0	1.3	.0	.8	.0	.6	.0	.1	.0	.0	.0	.2	9.8	10.8	
ENE	.0	.2	.1	2.5	.0	1.4	.0	1.4	.0	.8	.0	.1	.0	.0	.0	.1	6.4	13.3	
E	.0	.1	.0	1.5	.0	.7	.0	.6	.0	.5	.0	.0	.0	.0	.0	.1	3.3	12.4	
ESE	.0	.0	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	8.2	
SE	.0	.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.6	
SSE	.0	.1	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	8.5	
S	.0	.2	.1	3.2	.0	.6	.0	.7	.0	.1	.0	.0	.0	.0	.2	.1	5.0	10.8	
SSW	.0	.2	.1	3.4	.0	.8	.0	.9	.0	.7	.0	.5	.0	.2	.1	6.8	13.4		
SW	.0	.8	.1	4.8	.0	1.8	.0	1.6	.0	2.4	.0	1.5	.0	.3	.3	13.3	15.1		
WSW	.0	.3	.1	4.1	.0	1.6	.1	2.6	.0	1.3	.0	1.4	.0	.3	.2	11.7	15.3		
W	.0	.3	.1	3.7	.0	1.0	.0	.3	.0	1.0	.0	.1	.0	.1	.1	6.6	12.3		
WNW	.0	.2	.0	2.4	.0	.6	.0	.2	.0	1.1	.0	.1	.0	.0	.1	4.7	13.1		
NW	.0	.1	.0	2.4	.0	.6	.0	.8	.0	.2	.0	.3	.0	.0	.1	4.5	12.5		
NNW	.0	.1	.1	2.7	.0	.8	.0	.6	.0	.6	.0	.6	.0	.0	.1	5.4	13.1		
CALM	.0	.8													.0	.8			
TOTAL	.1	5.1	1.1	53.2	.3	13.3	.3	12.2	.2	10.2	.1	4.7	.0	1.4	.2	100	12.4		

BUF BUFFALO, NY

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BUF BUFFALO, NY

PERIOD: 1948-1978

CLASS 5 / DAY

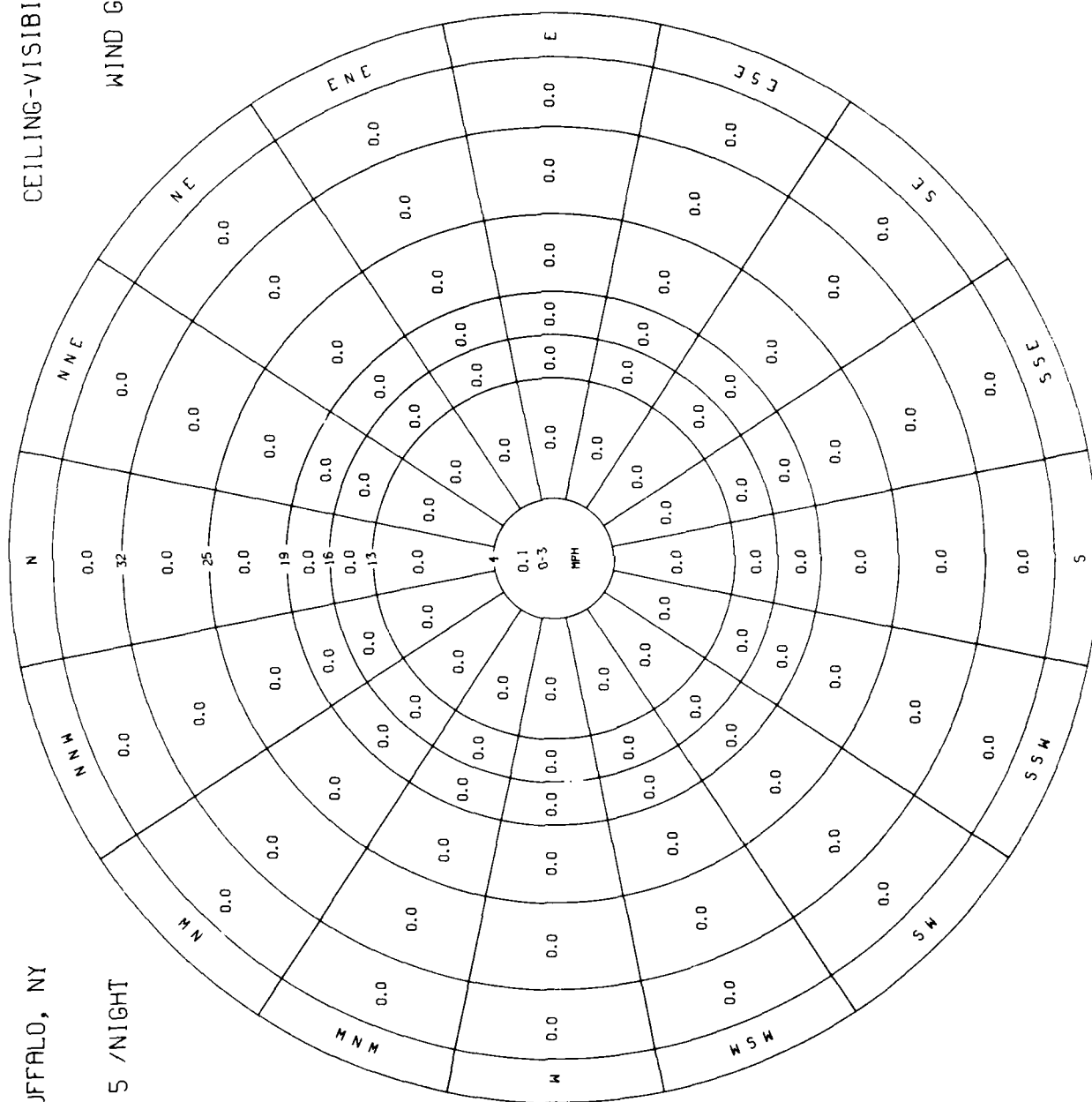
STATION NUMBER: 14733

NO. OBS.: 189

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.1	.0	5.8	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0 7.9
NNE	.0	1.1	.0	4.2	.0	1.1	.0	.0	.0	.5	.0	.0	.0	.5	.0 7.4
NE	.0	.0	.0	4.8	.0	.5	.0	2.6	.0	1.6	.0	.5	.0	.0	.0 10.1
ENE	.0	.0	.0	4.8	.0	1.1	.0	.5	.0	.5	.0	.0	.0	.0	.0 6.9
E	.0	1.1	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0 2.1
ESE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
SE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
SSE	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
S	.0	.0	.0	.5	.0	.5	.0	.5	.0	.5	.0	.0	.0	.0	.0 2.1
SSW	.0	.5	.0	5.3	.0	.0	.0	1.1	.0	.5	.0	.5	.0	.0	.0 2.9
SW	.0	1.1	.0	5.3	.0	4.2	.0	2.1	.0	1.1	.0	2.6	.0	2.1	.1 18.5
WSW	.0	.5	.0	5.3	.0	2.6	.0	2.1	.0	1.6	.0	2.6	.0	.5	.1 15.3
W	.0	.0	.0	2.6	.0	.0	.0	.5	.0	2.1	.0	1.6	.0	.0	.0 6.9
WNW	.0	.0	.0	1.6	.0	.0	.0	.5	.0	.5	.0	1.1	.0	.0	.0 3.7
NW	.0	.0	.0	1.6	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0 2.6
NNW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0 1.6
CALM	.0	2.1													.0 2.1
TOTAL	.0	8.5	.2	47.1	.0	11.1	.0	11.6	.0	9.0	.0	9.5	.0	3.2	.4 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BUF BUFFALO, NY

PERIOD: 1948-1978

CLASS 5 / NIGHT

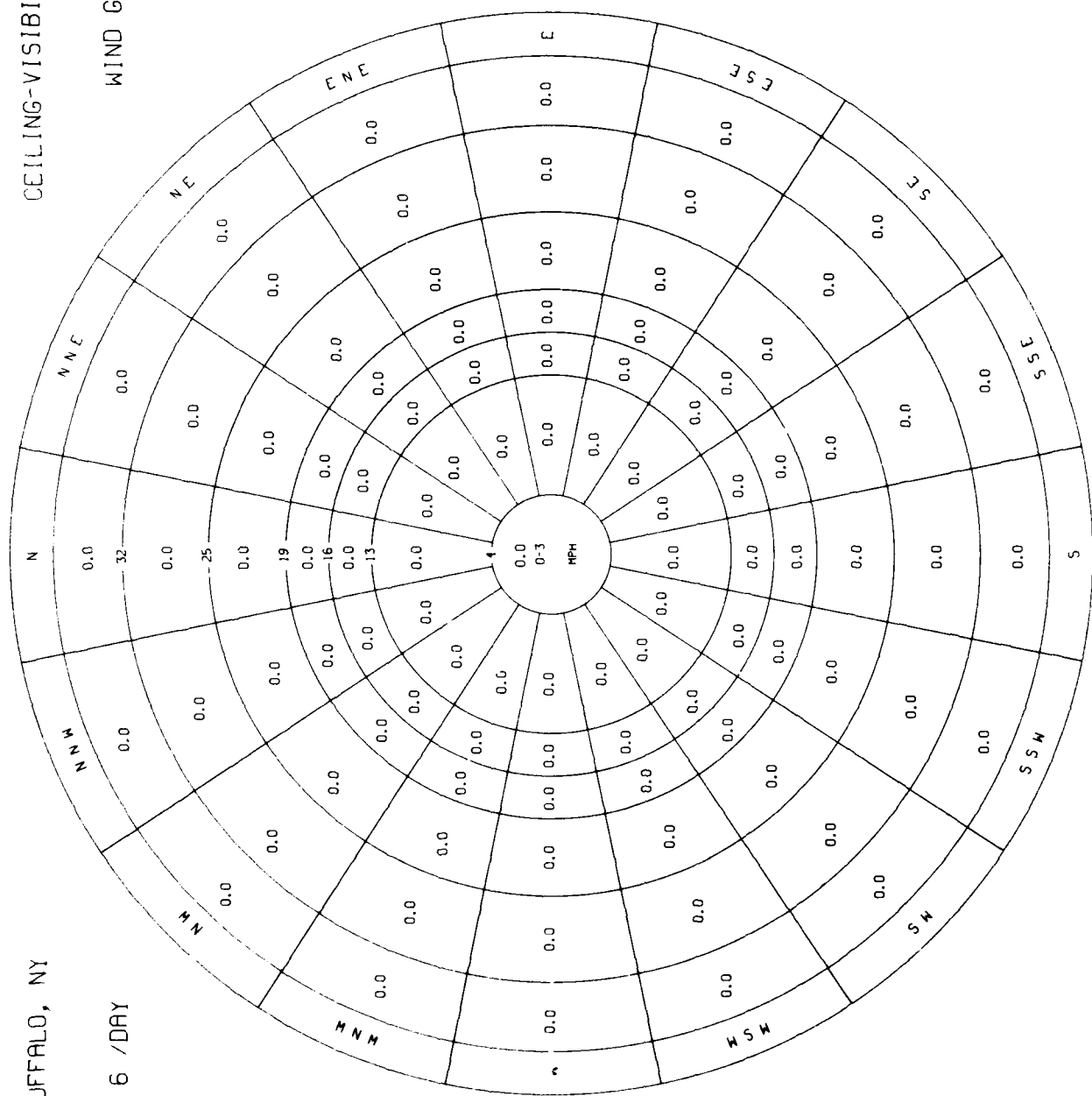
STATION NUMBER: 14733

NO. OBS.: 226

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.9	.0	7.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	8.8
NNE	.0	.9	.0	7.5	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	9.3
NE	.0	.0	.0	7.5	.0	.4	.0	.9	.0	.0	.0	.4	.0	.0	9.3
ENE	.0	.4	.0	5.8	.0	.9	.0	.4	.0	.0	.0	.9	.0	.0	8.4
E	.0	.4	.0	2.2	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	4.4
ESE	.0	.9	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7
SE	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
SSE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
S	.0	.9	.0	2.7	.0	.9	.0	.9	.0	.4	.0	.0	.0	.4	6.2
SSW	.0	.9	.0	5.3	.0	1.3	.0	.4	.0	.4	.0	.0	.0	.0	8.4
SW	.0	.0	.0	8.4	.0	2.7	.0	1.8	.0	1.8	.0	.9	.0	1.3	16.8
WSW	.0	.0	.0	5.3	.0	3.1	.0	.0	.0	.4	.0	1.8	.0	.0	10.6
W	.0	.4	.0	1.8	.0	.4	.0	.4	.0	.0	.0	.4	.0	.0	3.5
WNW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
NW	.0	.0	.0	2.2	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	3.1
NNW	.0	.4	.0	1.8	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	3.1
CALM	.0	3.1													
TOTAL	.1	10.2	.3	61.1	.1	11.5	.0	6.6	.0	4.0	.0	4.9	.0	1.8	5
															10.6

CEILING-VISIBILITY

WIND GRAPH



BUF BUFFALO, NY

CLASS 6 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BUF BUFFALO, NY

PERIOD: 1948-1978

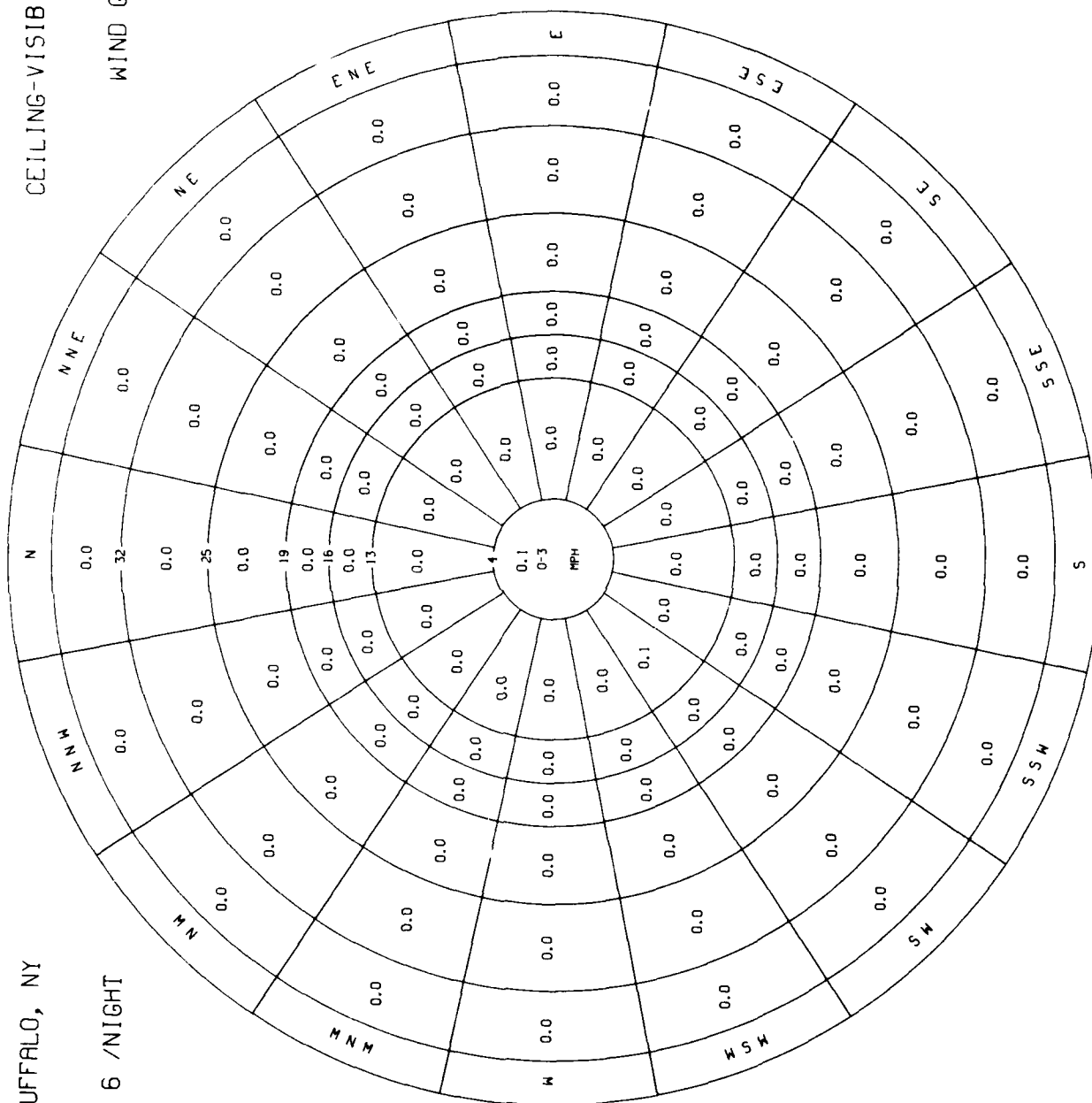
CLASS 6 / DAY

STATION NUMBER: 14733

NO. OBS.: 182

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	2.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	2.7
NNE	.0	1.6	.0	3.8	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	6.6
NE	.0	2.2	.0	4.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	7.7
ENE	.0	1.1	.0	1.6	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	3.8
E	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
ESE	.0	.5	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2
SE	.0	.5	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2
SSE	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7
S	.0	1.6	.0	4.9	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5	7.7
SSW	.0	.5	.0	6.6	.0	2.2	.0	.0	.0	.5	.0	.0	.0	.0	9.9
SW	.0	.0	.0	6.6	.0	2.2	.0	3.3	.0	2.7	.0	3.8	.0	3.3	12.2
WSW	.0	.5	.0	6.0	.0	2.7	.0	.5	.0	.0	.0	3.3	.0	1.6	14.8
W	.0	1.1	.0	1.6	.0	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	4.9
WNW	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.5	.0	.5	.0	.0	3.3
NW	.0	.5	.0	1.1	.0	.5	.0	.0	.0	.5	.0	1.1	.0	.0	3.8
NNW	.0	.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7
CALM	.0	1.6													1.6
TOTAL	.0	12.6	.2	50.5	.0	9.9	.0	6.6	.0	4.9	.0	9.9	.0	5.5	12.6

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BUF BUFFALO, NY

PERIOD: 1948-1978

CLASS 6 / NIGHT

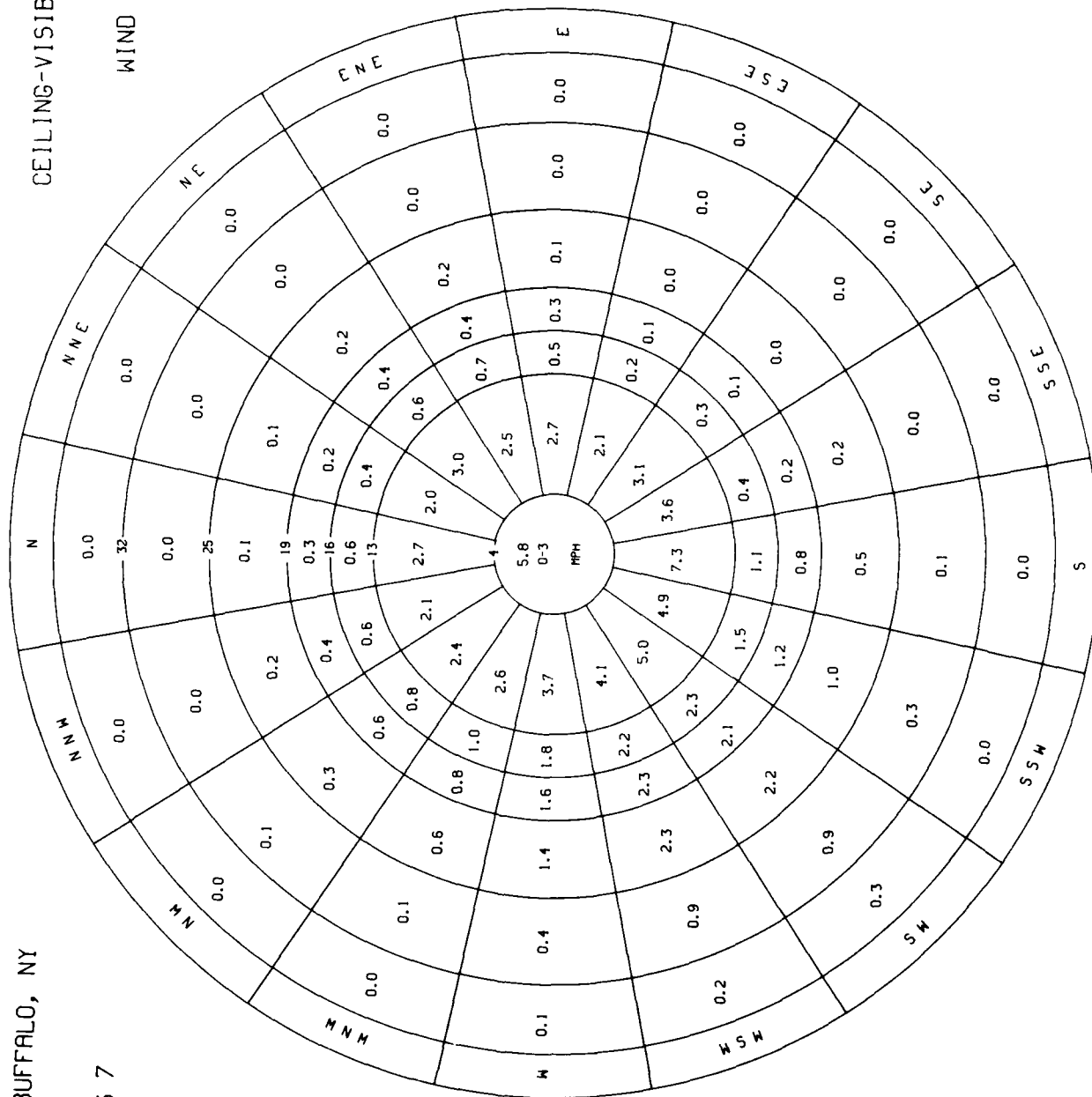
STATION NUMBER: 14733

NO. OBS.: 240

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.2	.0	3.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.4
NNE	.0	.4	.0	6.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.1
NE	.0	1.2	.0	8.3	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1 10.0
ENE	.0	1.2	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
E	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
ESE	.0	.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
SE	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SSE	.0	.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
S	.0	1.2	.0	7.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.7
SSW	.0	1.2	.0	6.7	.0	1.7	.0	1.2	.0	.0	.0	.0	.0	.0	.1 10.8
SW	.0	.8	.1	14.2	.0	2.9	.0	.4	.0	.8	.0	1.2	.0	1.2	.1 21.7
WSW	.0	.4	.0	4.6	.0	1.7	.0	2.1	.0	.8	.0	.4	.0	1.7	.1 11.7
W	.0	.4	.0	1.7	.0	.8	.0	.0	.0	.8	.0	.0	.0	.8	.0 4.6
WNW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
NW	.0	.8	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
NNW	.0	.0	.0	2.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
CALM	.0	2.9													.0 2.9
TOTAL	.1	14.2	.4	65.0	.0	8.7	.0	4.2	.0	2.5	.0	1.7	.0	3.7	.6 10.0

CEILING-VISIBILITY

WIND GRAPH

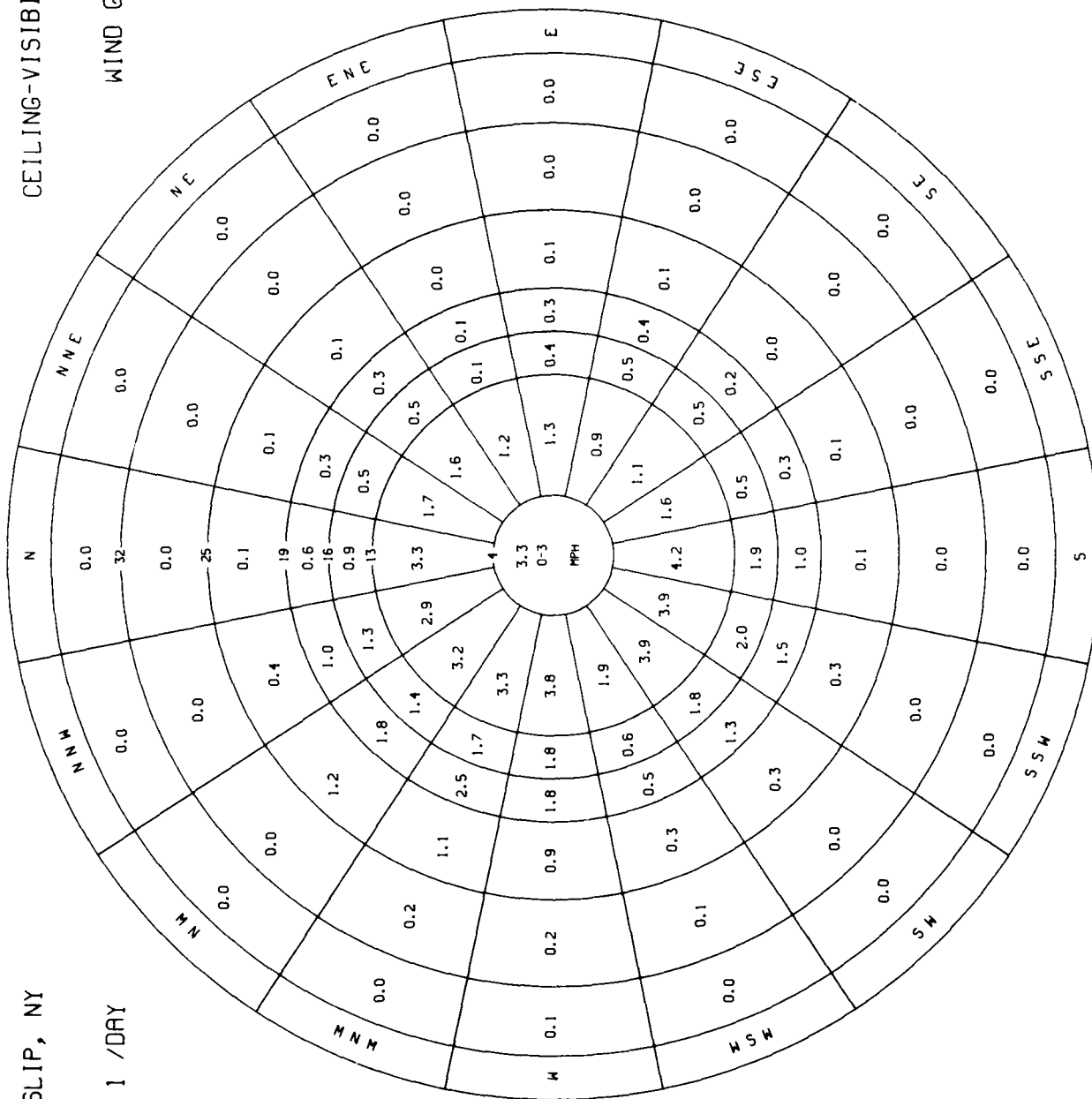


CEILING-VISIBILITY

WIND GRAPH

ISP ISLIP, NY

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISP ISLIP, NY

PERIOD: 1974-1978

CLASS 1 / DAY

STATION NUMBER: 04781

NO. OBS.: 6438

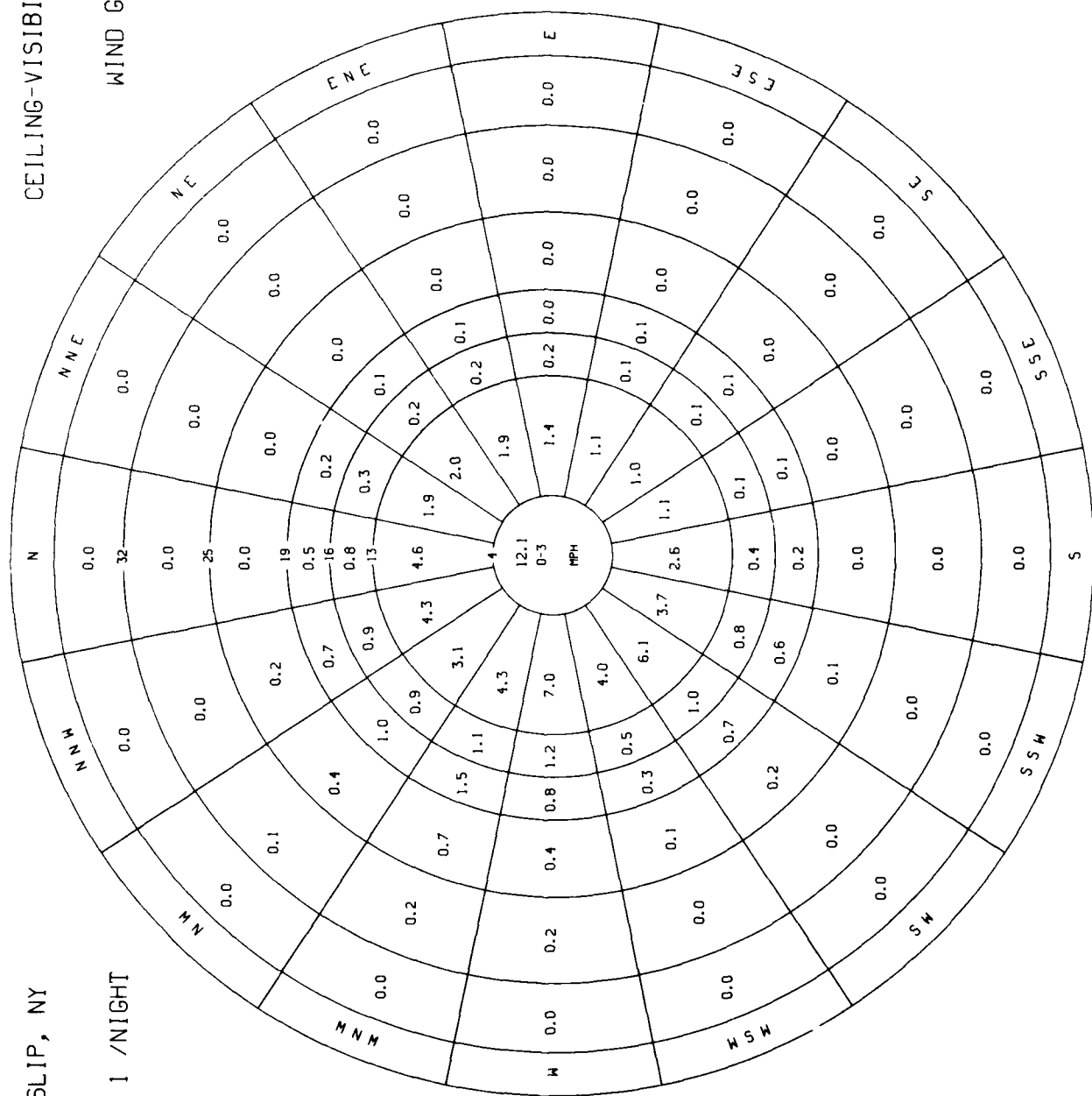
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.1	3.3	4.1	.9	1.1	.6	.7	.1	.2	.0	.0	.0	.0	5.0	6.3	10.9
NNE	.0	.0	1.7	2.1	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	2.6	3.2	11.2
NE	.0	.0	1.6	2.0	.5	.6	.3	.4	.1	.2	.0	.0	.0	.0	2.6	3.2	11.5
ENE	.0	.1	1.2	1.5	.1	.2	.1	.2	.0	.1	.0	.0	.0	.0	1.6	2.0	10.3
E	.0	.0	1.3	1.7	.4	.5	.3	.4	.1	.1	.0	.0	.0	.0	2.1	2.7	11.4
ESE	.0	.0	.9	1.2	.5	.6	.4	.5	.1	.1	.0	.0	.0	.0	1.9	2.4	12.3
SE	.0	.0	1.1	1.4	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	1.8	2.3	11.5
SSE	.0	.0	1.6	2.0	.5	.7	.3	.4	.1	.1	.0	.0	.0	.0	2.5	3.2	11.7
S	.0	.0	4.2	5.2	1.9	2.4	1.0	1.3	.1	.2	.0	.0	.0	.0	7.2	9.1	12.1
SSW	.1	.1	3.9	4.9	2.0	2.5	1.5	1.9	.3	.4	.0	.0	.0	.0	7.8	9.8	12.8
SW	.0	.0	3.9	4.9	1.8	2.2	1.3	1.6	.3	.3	.0	.0	.0	.0	7.3	9.1	12.3
WSW	.1	.1	1.9	2.4	.6	.8	.5	.7	.3	.4	.1	.2	.0	.0	3.7	4.6	12.6
W	.1	.1	3.8	4.7	1.8	2.2	1.8	2.3	.9	1.2	.2	.2	.1	.1	8.6	10.8	13.7
WNW	.1	.1	3.3	4.1	1.7	2.1	2.5	3.2	1.1	1.3	.2	.3	.0	.0	8.8	11.1	14.4
NW	.1	.1	3.2	4.0	1.4	1.8	1.8	2.3	1.2	1.5	.0	.1	.0	.0	7.8	9.8	14.0
NNW	.0	.0	2.9	3.7	1.3	1.6	1.0	1.3	.4	.6	.0	.0	.0	.0	5.8	7.2	12.6
CALM	2.7	3.4													2.7	3.4	
TOTAL	3.3	4.2	39.6	49.8	16.4	20.5	14.0	17.6	5.5	6.8	.7	.9	.1	.1	79.8	100	12.3

CEILING-VISIBILITY

WIND GRAPH

ISP ISLIP, NY

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISP ISLIP, NY

PERIOD: 1974-1978

CLASS 1 / NIGHT

STATION NUMBER: 04781

NO. OBS.: 5298

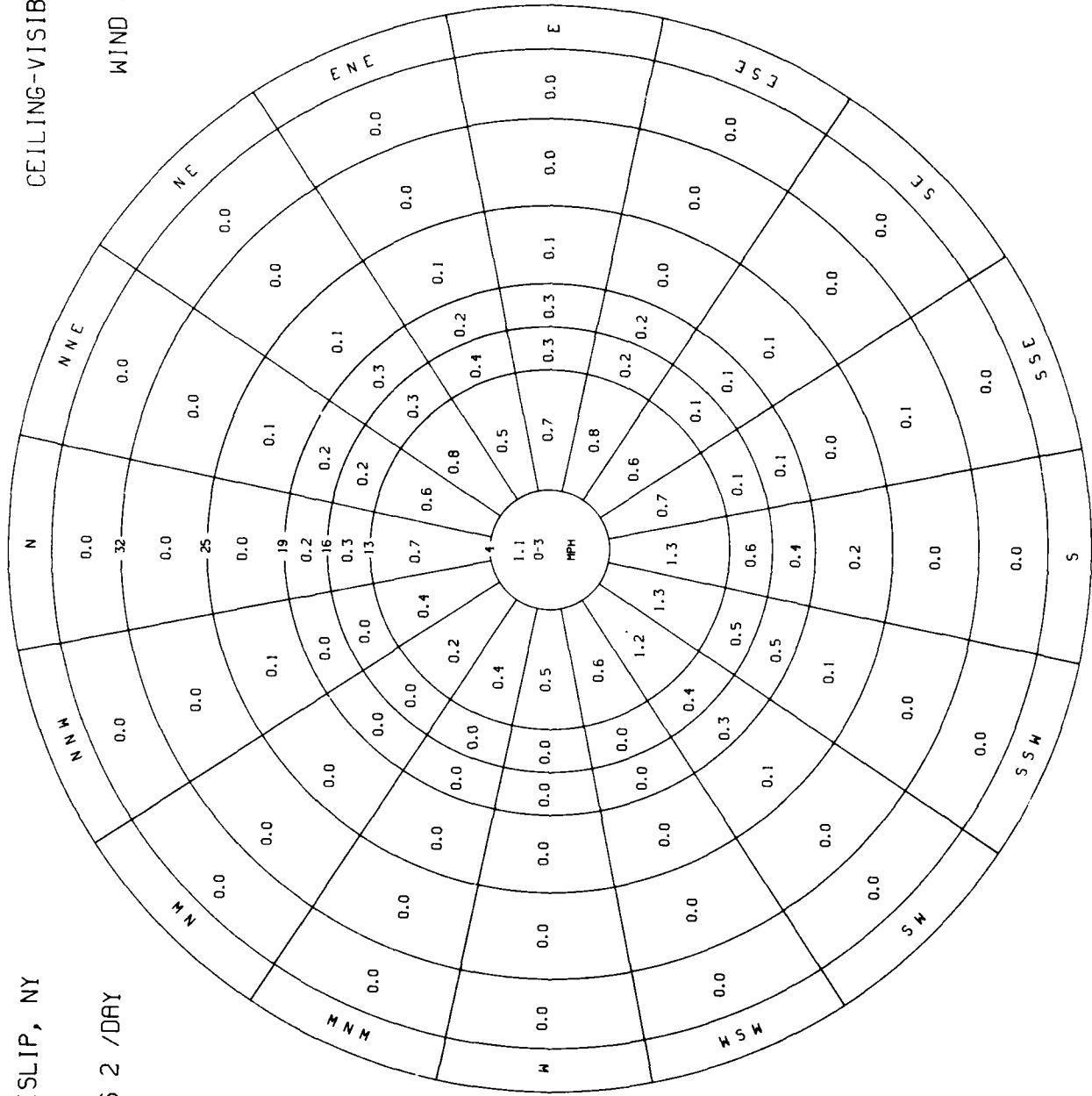
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED
	0-3			4-12			13-15			16-18			19-24			TOTAL
	A	B		A	B		A	B		A	B		A	B		
N	.2	.3		4.6	5.7		.8	1.0		.5	.6		.0	.0		6.1 7.6
NNE	.1	.2		1.9	2.3		.3	.3		.2	.2		.0	.0		2.5 3.1
NNE	.1	.1		2.0	2.5		.2	.2		.1	.2		.0	.0		2.4 3.0
ENE	.1	.1		1.9	2.4		.2	.3		.1	.1		.0	.0		2.3 2.9
E	.2	.3		1.4	1.7		.2	.2		.0	.1		.0	.0		1.8 2.3
ESE	.2	.2		1.1	1.3		.1	.1		.1	.1		.0	.0		1.5 1.8
SE	.0	.0		1.0	1.2		.1	.1		.1	.2		.0	.0		1.2 1.5
SSE	.1	.1		1.1	1.4		.1	.1		.1	.1		.0	.0		1.4 1.7
S	.0	.0		2.6	3.2		.4	.5		.2	.3		.0	.0		3.2 4.0
SSW	.0	.0		3.7	4.5		.8	1.0		.6	.8		.1	.1		5.3 6.5
SW	.1	.2		6.1	7.6		1.0	1.3		.7	.8		.2	.3		8.2 10.1
WSW	.1	.1		4.0	5.0		.5	.6		.3	.4		.1	.2		5.0 6.2
W	.3	.4		7.0	8.6		1.2	1.5		.8	.9		.4	.5		9.9 12.2
WNW	.2	.2		4.3	5.4		1.1	1.4		1.5	1.8		.7	.8		8.0 9.9
NW	.2	.2		3.1	3.8		.9	1.1		1.0	1.3		.4	.5		5.7 7.1
NNW	.2	.2		4.3	5.3		.9	1.1		.7	.9		.2	.3		6.4 7.9
CALM	10.0	12.4														10.0 12.4
TOTAL	12.1	14.9		50.1	61.8		8.8	10.8		7.1	8.8		2.4	2.9		81.0 100
																9.0

ISP ISLIP, NY

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISP ISLIP, NY

PERIOD: 1974-1978

CLASS 2 / DAY

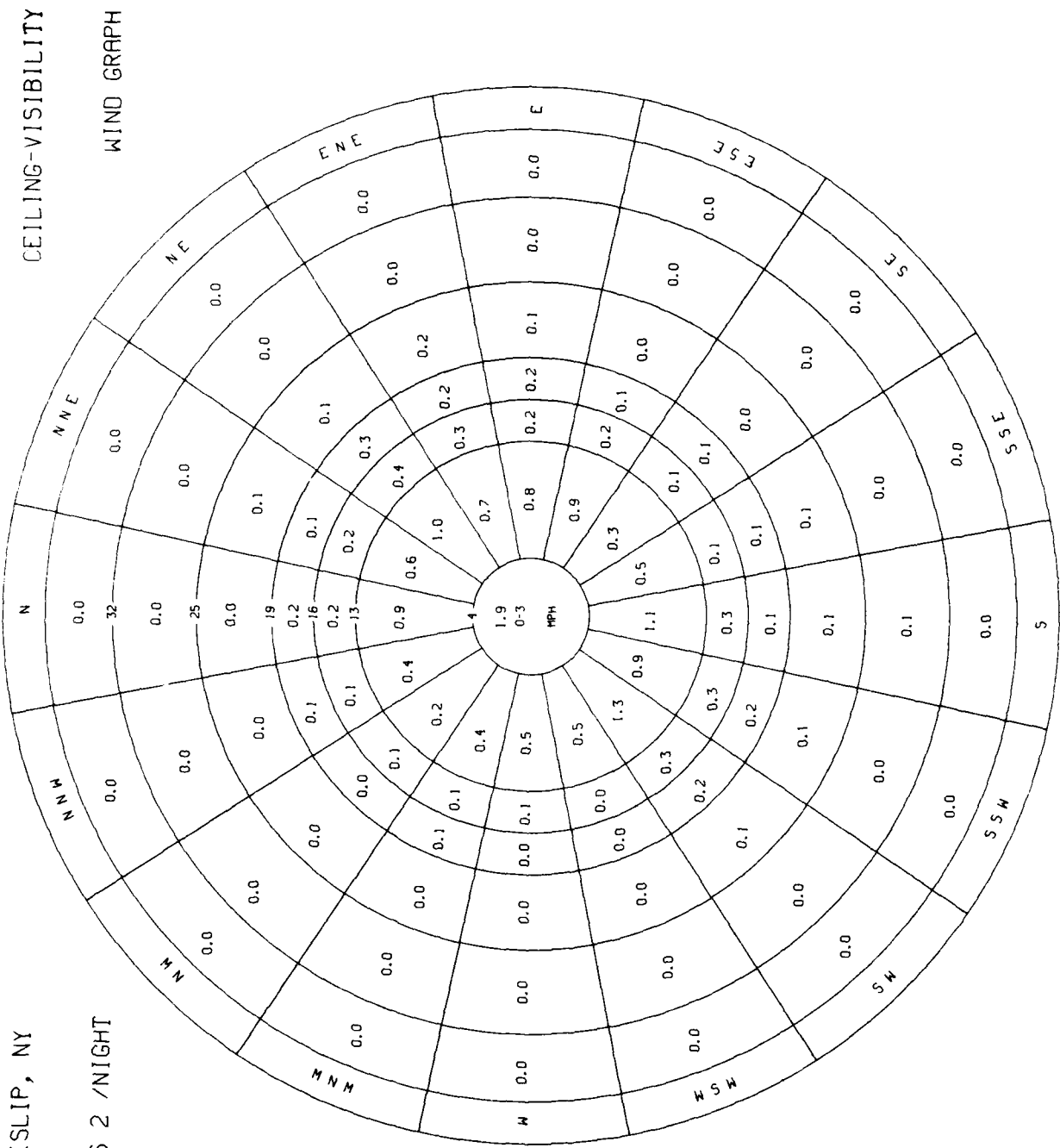
STATION NUMBER: 04781

NO. OBS.: 1631

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.0	.7	3.5	.3	1.3	.2	.9	.0	.0	.0	.1	.0	.0	1.2	5.8	11.4
NNE	.0	.0	.6	2.8	.2	1.1	.2	.8	.1	.4	.0	.1	.0	.1	1.1	5.2	13.0
NE	.0	.1	.8	4.2	.3	1.4	.3	1.6	.1	.7	.0	.0	.0	.1	1.6	8.0	12.5
ENE	.0	.0	.5	2.5	.4	2.0	.2	1.2	.1	.6	.0	.1	.0	.0	1.3	6.4	13.5
E	.0	.1	.7	3.6	.3	1.4	.3	1.6	.1	.7	.0	.1	.0	.1	1.5	7.5	13.2
ESE	.0	.0	.8	3.7	.2	.9	.2	.9	.0	.2	.0	.0	.0	.0	1.2	5.7	11.5
SE	.0	.0	.6	2.8	.1	.3	.1	.5	.1	.4	.0	.0	.0	.0	.8	4.0	11.4
SSE	.0	.0	.7	3.6	.1	.7	.1	.5	.0	.2	.1	.3	.0	.0	1.1	5.3	11.9
S	.0	.0	1.3	6.3	.6	3.1	.4	2.1	.2	.8	.0	.1	.0	.0	2.5	12.3	12.8
SSW	.0	.0	1.3	6.4	.5	2.3	.5	2.3	.1	.5	.0	.1	.0	.0	2.4	11.6	12.7
SW	.0	.1	1.2	5.8	.4	2.0	.3	1.3	.1	.4	.0	.1	.0	.1	2.0	9.8	12.0
WSW	.0	.2	.6	2.9	.0	.2	.0	.2	.0	.0	.0	.1	.0	.0	.7	3.6	9.1
W	.0	.0	.5	2.5	.0	.2	.0	.1	.0	.2	.0	.0	.0	.0	.6	3.1	9.7
WNW	.0	.1	.4	1.8	.0	.1	.0	.2	.0	.1	.0	.0	.0	.1	.4	2.2	9.8
NW	.0	.1	.2	1.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	1.7	9.9
NNW	.0	.0	.4	2.1	.0	.2	.0	.2	.1	.3	.0	.1	.0	.0	.6	2.9	11.6
CALM	1.0	4.9													1.0	4.9	
TOTAL	1.1	5.5	11.3	55.8	3.5	17.5	2.9	14.4	1.1	5.6	.2	1.0	.1	.3	20.2	100	11.5

ISP ISLIP, NY

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISP ISLIP, NY

PERIOD: 1974-1978

CLASS 2 / NIGHT

STATION NUMBER: 04781

NO. OBS.: 1241

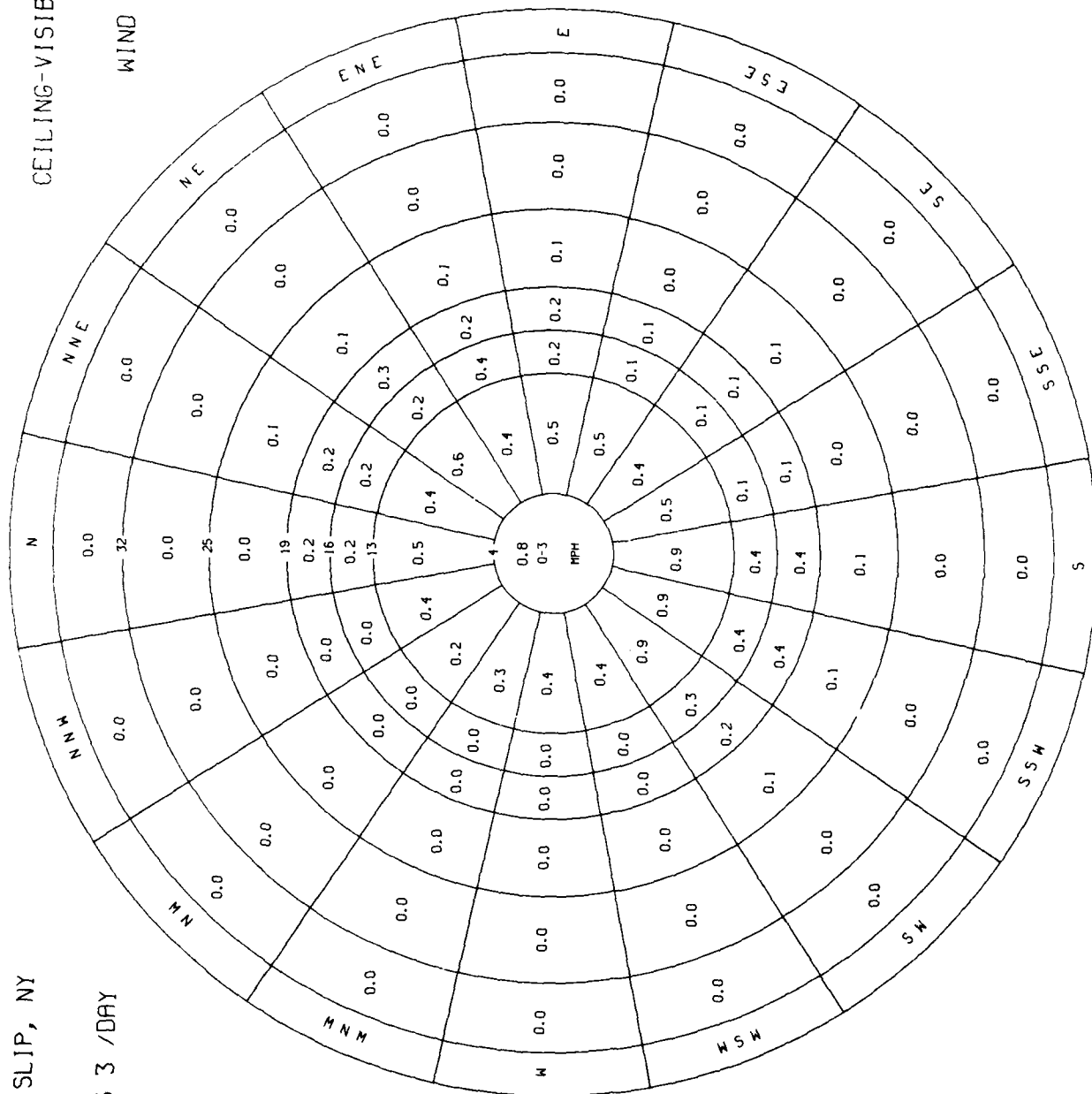
D R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.4	.9	4.7	.2	1.0	.2	1.0	.0	.2	.0	.0	.0	.0	1.4 7.3
NNE	.0	.0	.6	3.2	.2	.9	.1	.6	.1	.3	.0	.2	.0	.0	1.0 5.3
NENE	.0	.1	1.0	5.2	.4	2.1	.3	1.8	.1	.7	.0	.2	.0	.1	1.9 10.2
ENE	.0	.1	.7	3.5	.3	1.6	.2	1.3	.2	.8	.0	.1	.0	.0	1.4 7.4
E	.0	.2	.8	4.3	.2	1.0	.2	.8	.1	.6	.0	.1	.0	.1	1.3 7.0
ESE	.0	.2	.9	5.0	.2	.9	.1	.7	.0	.2	.0	.0	.0	.0	1.3 7.0
SE	.0	.0	.3	1.7	.1	.4	.1	.3	.0	.2	.0	.0	.0	.0	.5 2.6
SSE	.0	.1	.5	2.5	.1	.4	.1	.6	.1	.4	.0	.0	.0	.2	.8 4.2
S	.0	.2	1.1	5.8	.3	1.5	.1	.7	.1	.4	.1	.3	.0	.0	1.7 8.9
SSW	.0	.1	.9	4.6	.3	1.7	.2	1.1	.1	.4	.0	.1	.0	.0	1.5 8.0
SW	.0	.2	1.3	6.9	.3	1.4	.2	1.2	.1	.3	.0	.0	.0	.0	1.9 10.0
WSW	.0	.0	.5	2.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.5 2.6
W	.0	.0	.5	2.5	.1	.4	.0	.0	.0	.2	.0	.0	.0	.0	.6 3.1
WNW	.0	.2	.4	1.9	.1	.6	.1	.3	.0	.2	.0	.1	.0	.0	.6 3.1
NW	.0	.2	.2	1.0	.1	.5	.0	.2	.0	.2	.0	.0	.0	.0	.4 2.2
NNW	.0	.2	.4	2.1	.1	.3	.1	.7	.0	.2	.0	.0	.0	.0	.7 3.5
CALM	1.5	7.7													1.5 7.7
TOTAL	1.9	9.8	10.9	57.5	2.8	14.6	2.2	11.6	1.0	5.2	.2	1.0	.1	.3	19.0 10.5

ISP ISLIP, NY

CLASS 3 / DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISP ISLIP, NY

PERIOD: 1974-1978

CLASS 3 / DAY

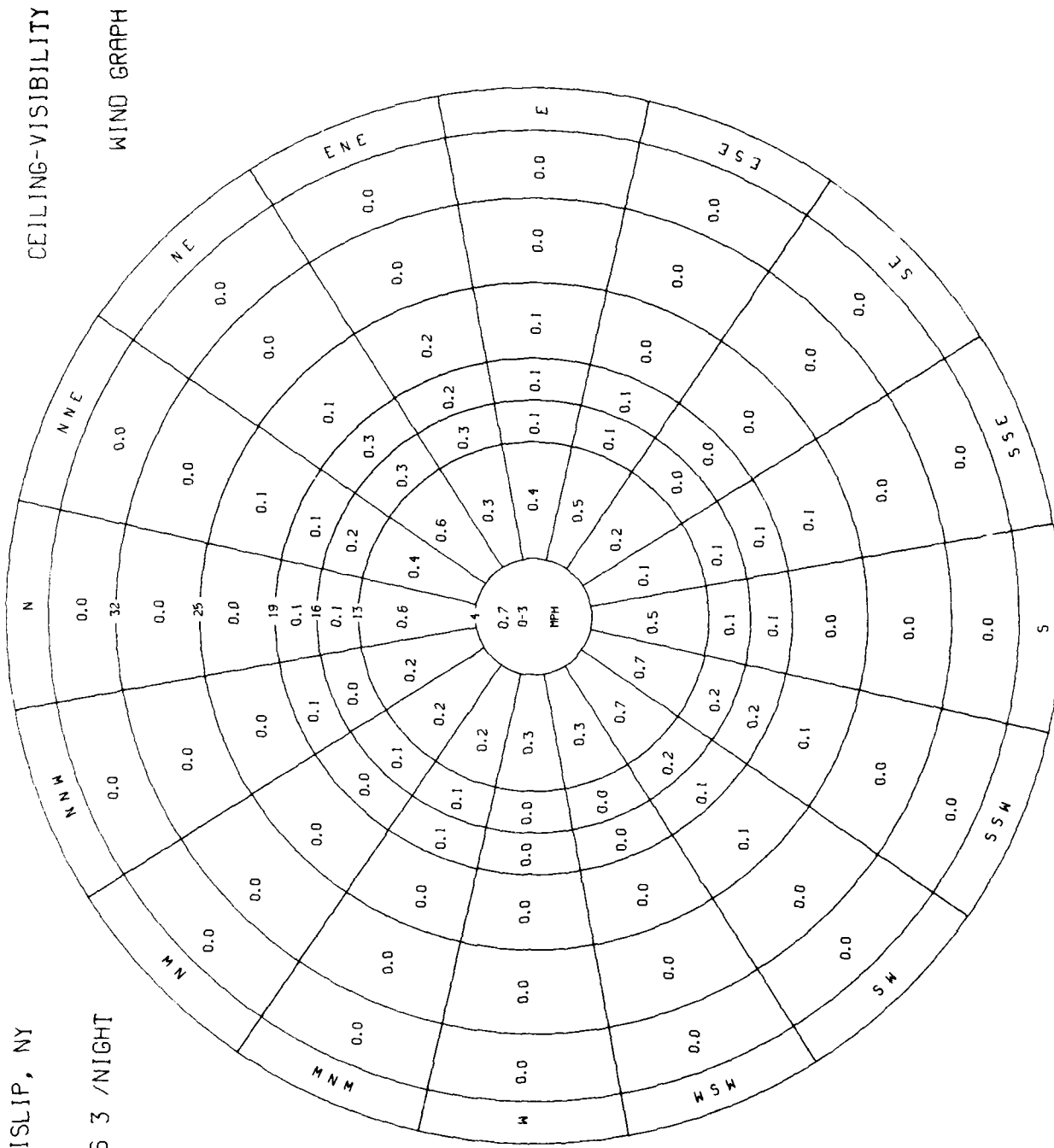
STATION NUMBER: 04781

NO. OBS.: 1219

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.5	3.5	.2	1.6	.2	1.2	.0	.0	.0	.1	.0	.0	1.0 6.4 11.9
NNE	.0	.0	.4	2.9	.2	1.3	.2	1.1	.1	.4	.0	.1	.0	.0	.9 5.7 13.2
N	.0	.1	.6	4.0	.2	1.6	.3	2.0	.1	.7	.0	.0	.0	.0	1.3 8.4 12.6
ENE	.0	.0	.4	2.4	.4	2.4	.2	1.4	.1	.7	.0	.1	.0	.0	1.0 6.9 13.8
E	.0	.1	.5	3.2	.2	1.2	.2	1.6	.1	.8	.0	.1	.0	.0	1.1 7.0 13.3
ESE	.0	.0	.5	3.1	.1	.7	.1	.8	.0	.2	.0	.0	.0	.0	.7 4.9 11.8
SE	.0	.0	.4	2.6	.1	.4	.1	.6	.1	.4	.0	.0	.0	.0	.6 4.0 11.8
SSE	.0	.0	.5	3.5	.1	.6	.1	.5	.0	.2	.0	.2	.0	.0	.7 4.9 11.4
S	.0	.0	.9	5.8	.4	2.8	.4	2.5	.1	.8	.0	.0	.0	.0	1.8 11.9 12.9
SSW	.0	.0	.9	6.1	.4	2.4	.4	2.5	.1	.4	.0	.1	.0	.0	1.7 11.4 12.9
SW	.0	.2	.9	5.9	.3	1.9	.2	1.5	.1	.4	.0	.0	.0	.1	1.5 9.9 11.9
WSW	.0	.2	.4	2.8	.0	.2	.0	.2	.0	.0	.0	.1	.0	.0	.5 3.5 9.4
W	.0	.0	.4	2.6	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.5 3.3 10.0
WNNW	.0	.0	.3	1.9	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.3 2.2 9.3
NNW	.0	.0	.2	1.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2 1.6 9.9
NNW	.0	.0	.4	2.5	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.5 3.3 11.5
CALM	.7	4.5													.7 4.5
TOTAL	.8	5.1	8.2	54.1	2.7	18.0	2.5	16.5	.8	5.6	.1	.7	.0	.1	15.1 100 11.7

ISP ISLIP, NY

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISP ISLIP, NY

PERIOD: 1974-1978

CLASS 3 / NIGHT

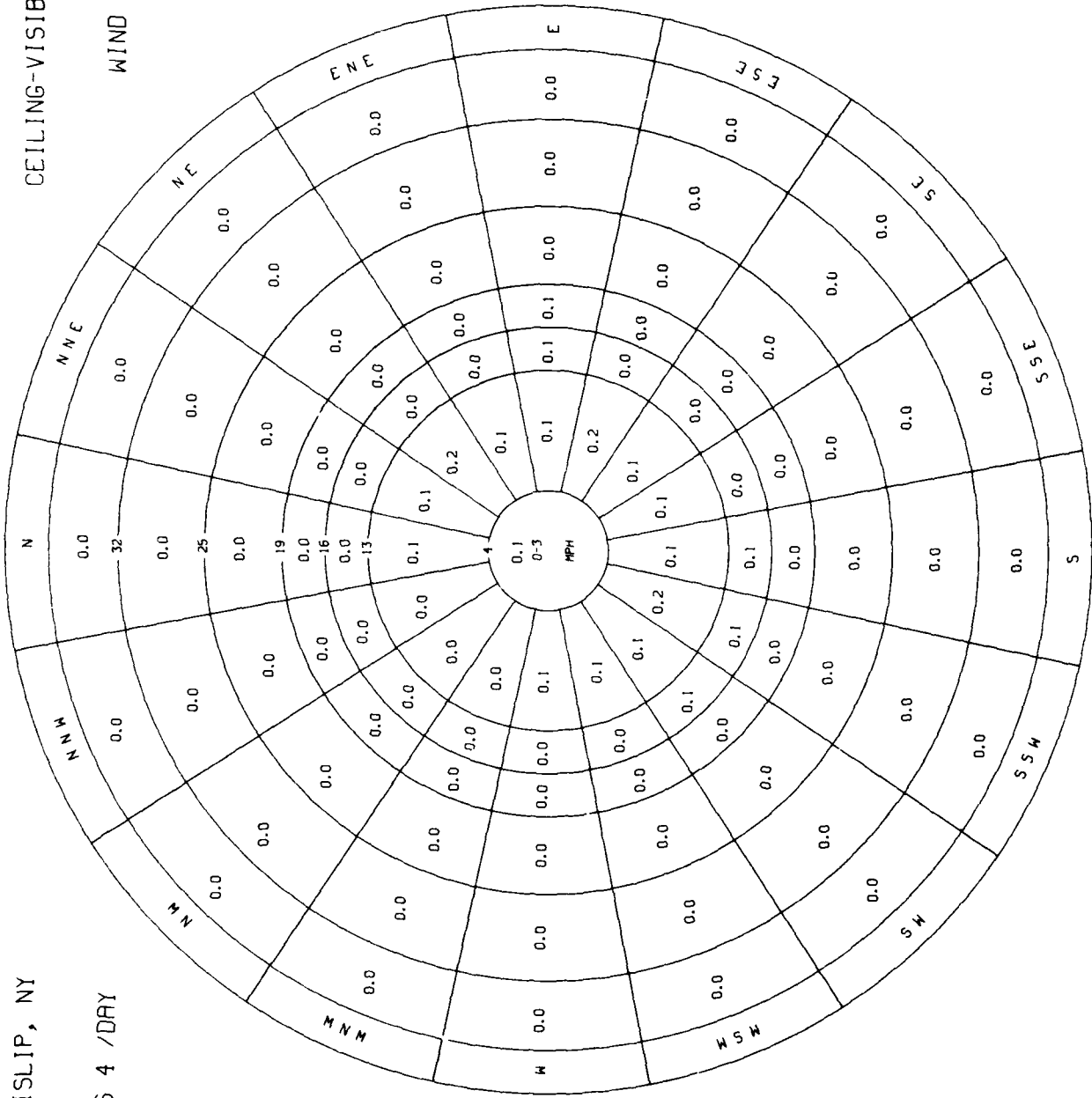
STATION NUMBER: 04781

NO. OBS.: 747

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.1	.6	4.8	.1	.9	.1	1.2	.0	.1	.0	.0	.0	.0	.8 7.2
NNE	.0	.0	.4	3.9	.2	1.5	.1	.8	.1	.5	.0	.3	.0	.0	.8 7.0
NE	.0	.0	.6	5.0	.3	2.9	.3	2.5	.1	1.1	.0	.3	.0	.0	1.3 11.8
ENE	.0	.0	.3	2.8	.3	2.4	.2	1.9	.2	1.3	.0	.0	.0	.0	1.0 8.4
E	.0	.3	.4	3.7	.1	1.1	.1	.8	.1	.5	.0	.1	.0	.1	.8 6.7
ESE	.0	.0	.5	4.0	.1	.8	.1	.8	.0	.4	.0	.0	.0	.0	.7 6.0
SE	.0	.0	.2	1.5	.0	.3	.0	.4	.0	.3	.0	.0	.0	.0	.3 2.4
SSE	.0	.1	.1	1.1	.1	.5	.1	.8	.1	.5	.0	.0	.0	.1	.4 3.2
S	.0	.1	.5	4.6	.1	1.2	.1	.8	.0	.4	.0	.3	.0	.0	.8 7.4
SSW	.0	.1	.7	5.8	.2	1.7	.2	1.5	.1	.5	.0	.1	.0	.0	1.1 9.8
SW	.0	.1	.7	6.2	.2	2.0	.1	1.2	.1	.5	.0	.0	.0	.0	1.1 10.0
WSW	.0	.0	.3	2.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.9
W	.0	.0	.3	2.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.8
WNW	.0	.0	.2	1.7	.1	.8	.1	.5	.0	.1	.0	.0	.0	.0	.4 3.2
NW	.0	.3	.2	1.3	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.4
NNW	.0	.1	.2	1.9	.0	.3	.1	.9	.0	.3	.0	.0	.0	.0	.4 3.5
CALM	.6	5.2													.6 5.2
TOTAL	.7	6.6	6.1	53.4	2.0	17.4	1.7	14.5	.8	6.8	.1	1.1	.0	.3	11.4 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISP ISLIP, NY

PERIOD: 1974-1978

CLASS 4 / DAY

STATION NUMBER: 04781

NO. OBS.: 225

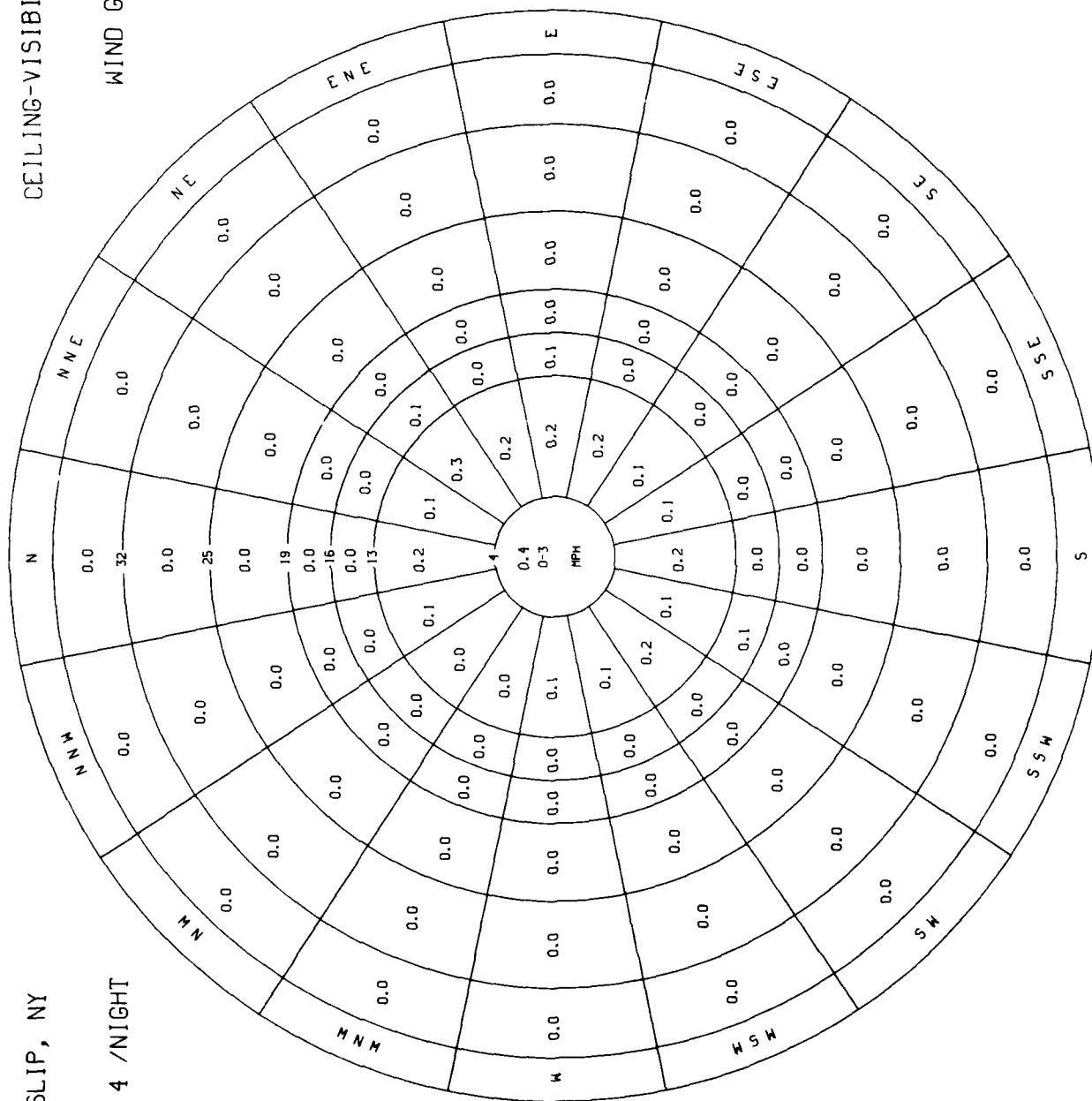
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.0	.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.1	8.1
NNE	.0	.0	.1	3.6	.0	.9	.0	.0	.0	.4	.0	.0	.0	.0	.0	.1	4.9	11.1
NE	.0	.0	.2	7.1	.0	.9	.0	.4	.0	.4	.0	.0	.0	.0	.0	.2	8.9	10.5
ENE	.0	.0	.1	2.2	.0	1.3	.0	.9	.0	.4	.0	.0	.0	.0	.0	.1	4.9	13.4
E	.0	.0	.1	4.9	.1	2.7	.1	2	.0	.4	.0	.0	.0	.0	.4	.3	10.7	13.5
ESE	.0	.0	.2	7.1	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.3	9.8	10.3
SE	.0	.0	.1	2.2	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.1	3.1	12.9
SSE	.0	.0	.1	4.0	.0	1.3	.0	.4	.0	.4	.0	.4	.0	.0	.0	.2	6.7	12.9
S	.0	.0	.1	3.6	.1	4.9	.0	1.8	.0	.9	.0	.4	.0	.0	.0	.3	11.6	14.1
SSW	.0	.0	.2	6.2	.1	3.1	.0	1.3	.0	1.3	.0	.4	.0	.0	.0	.3	12.4	13.5
SW	.0	.0	.1	3.6	.1	2.7	.0	.9	.0	.4	.0	.0	.0	.0	.0	.2	7.6	13.1
WSW	.0	.0	.1	4.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.9	8.5
W	.0	.0	.1	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.7	7.2
WNW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.1	2.2	10.2
NW	.0	.0	.0	1.3	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.1	2.2	11.8
NNW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.0
CALM	.1	3.6														.1	3.6	
TOTAL	.1	3.6	1.6	58.2	.6	20.4	.3	9.8	.2	6.2	.0	1.3	.0	.4	.2	8	100	11.5

CEILING-VISIBILITY

WIND GRAPH

ISP ISLIP, NY

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISP ISLIP, NY

PERIOD: 1974-1978

CLASS 4 / NIGHT

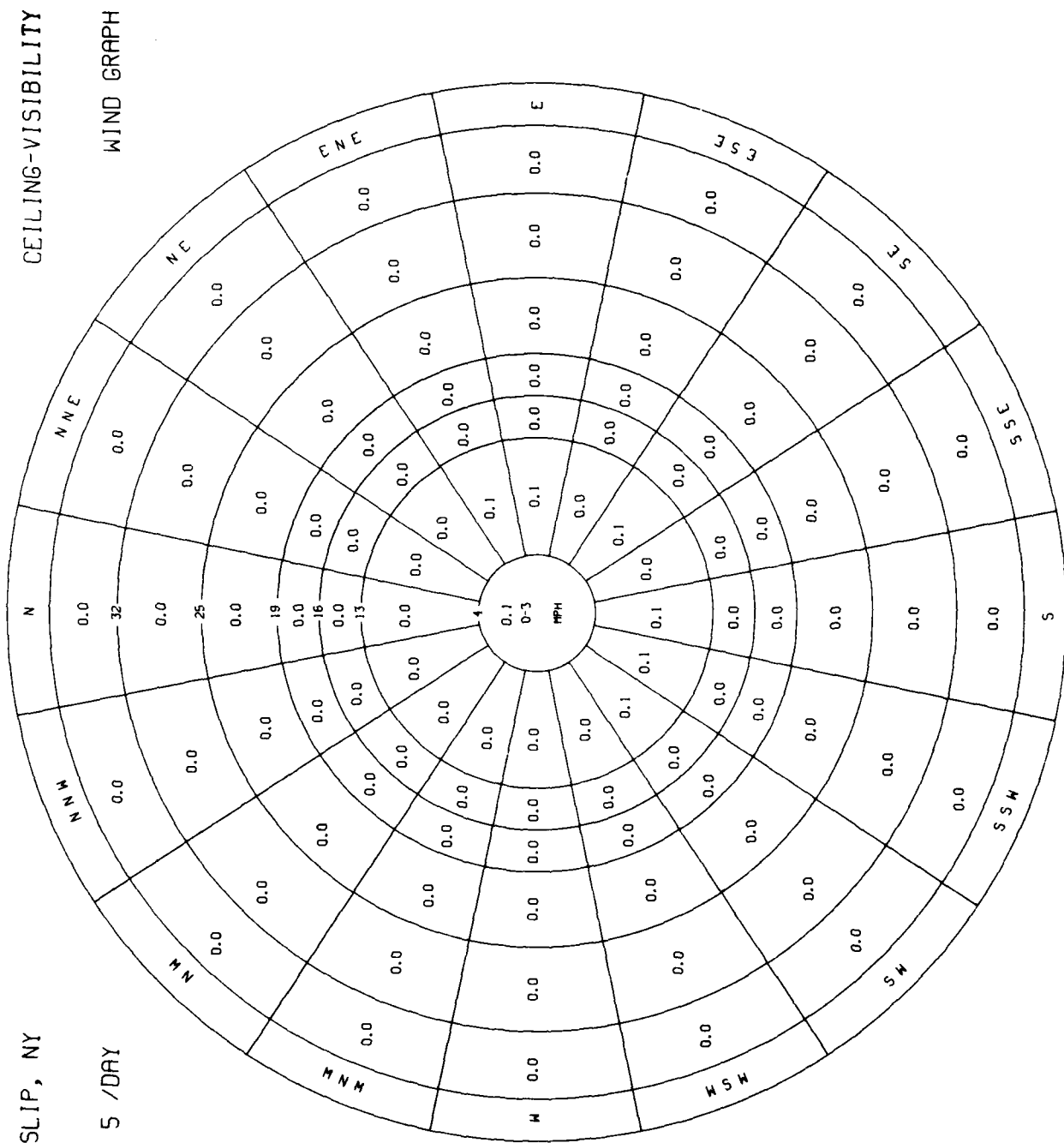
STATION NUMBER: 04781

NO. OBS.: 228

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED
	0-3			4-12			13-15			16-18			19-24			TOTAL
	A	B		A	B		A	B		A	B		A	B		
N	.0	.0		.2	6.6		.0	.9		.0	1.3		.0	.0		.3 8.8
NNE	.0	.0		.1	3.1		.0	.0		.0	.4		.0	.0		.1 3.5
NE	.0	.0		.3	9.2		.1	1.8		.0	.4		.0	.0		.4 11.4
ENE	.0	.0		.2	6.6		.0	.9		.0	.4		.0	.4		.3 8.3
E	.0	.0		.2	5.7		.1	1.8		.0	1.3		.0	.0		.4 10.1
ESE	.0	.4		.2	4.8		.0	1.3		.0	.9		.0	.0		.3 7.5
SE	.0	.0		.1	2.2		.0	1.3		.0	.0		.0	.0		.1 3.5
SSE	.0	.0		.1	3.5		.0	.4		.0	.4		.0	.0		.2 4.4
S	.0	.4		.2	5.7		.0	.9		.0	.4		.0	.0		.3 7.9
SSW	.0	.0		.1	1.8		.1	1.8		.0	.9		.0	.0		.2 4.8
SW	.0	.4		.2	6.1		.0	.4		.0	.9		.0	.0		.3 7.9
WSW	.0	.0		.1	2.2		.0	.0		.0	.0		.0	.0		.1 2.2
W	.0	.0		.1	2.6		.0	.0		.0	.0		.0	.0		.1 3.1
WNW	.0	.0		.0	1.3		.0	.0		.0	.0		.0	.4		.1 2.2
NW	.0	.0		.0	.4		.0	.0		.0	.0		.0	.0		.0 .9
NNW	.0	.0		.1	3.5		.0	.9		.0	.4		.0	.0		.2 4.8
CALM	.3	8.8														.3 8.8
TOTAL	.4	10.1		2.3	65.4		.4	12.3		.3	7.9		.1	3.5		3.5 100
																9.8

ISP ISLIP, NY

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISP ISLIP, NY

PERIOD: 1974-1978

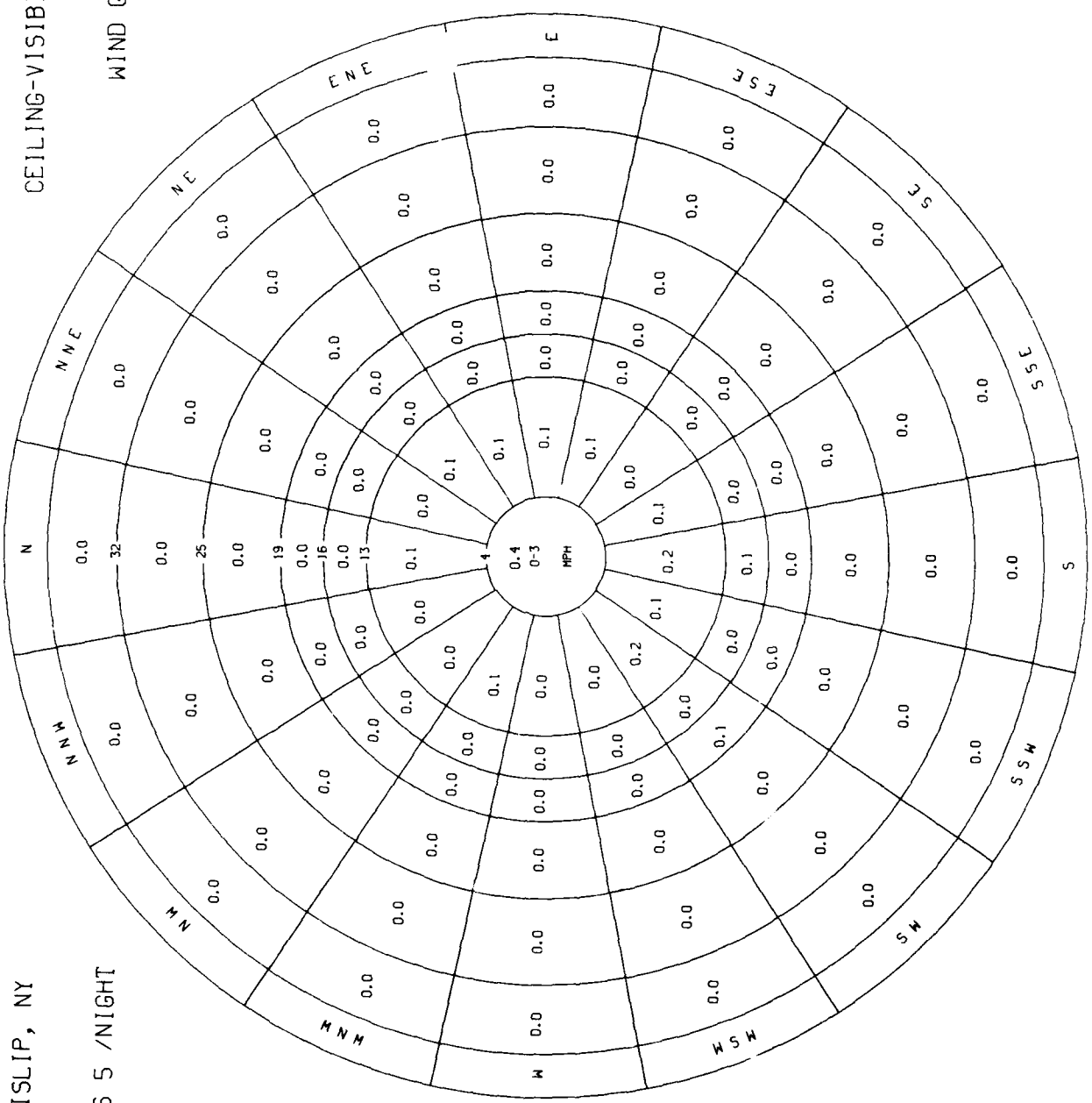
CLASS 5 / DAY

STATION NUMBER: 04781

NO. OBS.: 96

D I R	SPEED GROUPS (MPH)																		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	.0	.0	4.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.2	10.6	
NNE	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	8.3	
NE	.0	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	12.0	
ENE	.0	.0	.1	6.3	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.1	8.3	11.5	
E	.0	.0	.1	5.2	.0	1.0	.0	2.1	.0	1.0	.0	1.0	.0	.0	.0	.1	10.4	13.5	
ESE	.0	.0	.0	2.1	.0	2.1	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.1	5.2	12.6	
SE	.0	.0	.1	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.3	8.2	
SSE	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.1	6.3	14.8	
S	.0	.0	.1	9.4	.0	3.1	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.2	13.5	11.7	
SSW	.0	.0	.1	6.3	.0	2.1	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.1	11.5	11.7	
SW	.0	.0	.1	7.3	.0	1.0	.0	2.1	.0	.0	.0	1.0	.0	.0	.0	.1	11.5	11.9	
WSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	7.0	
W	.0	.0	.0	2.1	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	3.1	11.7	
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	35.0	
NW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.0	
NNW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	4.2	14.5	
CALM	.1	5.2														.1	5.2		
TOTAL	.1	5.2	.7	62.5	.1	11.5	.1	9.4	.1	6.3	.0	4.2	.0	1.0	.0	1.2	10.0	11.4	

ISP ISLIP, NY
 CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISP ISLIP, NY

PERIOD: 1974-1978

CLASS 5 / NIGHT

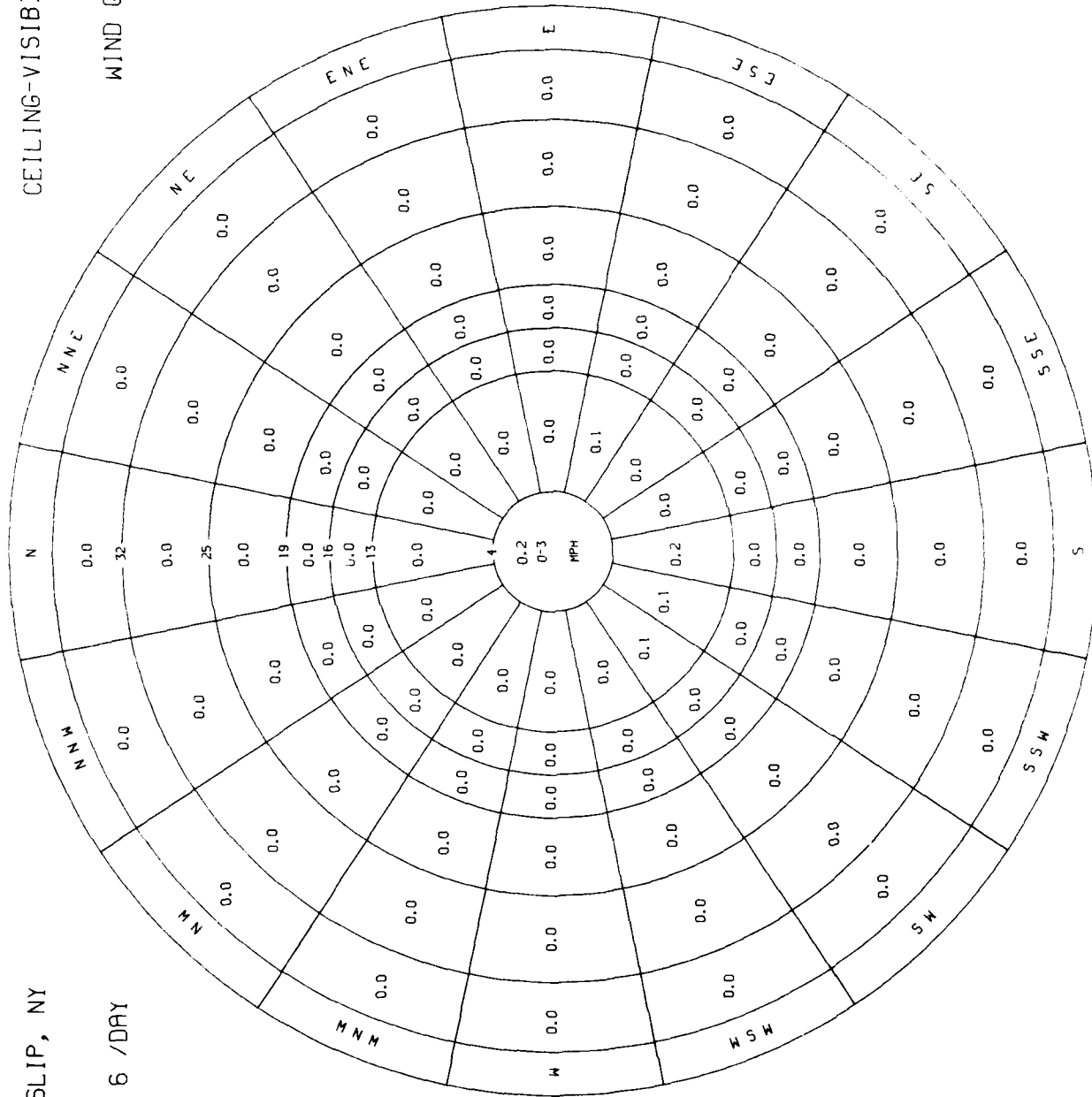
STATION NUMBER: 04781

NO. OBS.: 143

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.1	.1	3.5	.0	2.1	.0	.0	.0	.7	.0	.0	.0	.0	.2 8.4
NNE	.0	.0	.0	2.1	.0	.0	.0	.7	.0	.0	.0	.7	.0	.0	.1 3.5
NE	.0	.0	.1	4.2	.0	.0	.0	1.4	.0	.7	.0	.0	.0	.0	.1 6.3
ENE	.0	.7	.1	4.2	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.1 5.6
E	.0	.0	.1	3.5	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.1 4.9
ESE	.0	.7	.1	5.6	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.2 7.7
SE	.0	.0	.0	2.1	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.1 2.8
SSE	.0	.0	.1	4.2	.0	.0	.0	.7	.0	.0	.0	.0	.0	.7	.1 5.6
S	.0	.0	.2	7.0	.1	2.8	.0	.7	.0	.7	.0	.7	.0	.0	.3 11.9
SSW	.0	.0	.1	3.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.6
SW	.0	.0	.2	7.0	.0	.7	.1	2.8	.0	.0	.0	.0	.0	.0	.2 10.5
WSW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
W	.0	.0	.0	2.1	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.1 3.5
WNW	.0	.7	.1	2.8	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.2
NW	.0	.0	.0	1.4	.0	.7	.0	1.4	.0	.0	.0	.0	.0	.0	.1 3.5
NNW	.0	1.4	.0	1.4	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.1 3.5
CALM	.3	11.9													.3 11.9
TOTAL	.4	17.5	1.2	55.2	.2	11.2	.2	11.2	.1	2.8	.0	1.4	.0	.7	2.2 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISP ISLIP, NY

PERIOD: 1974-1978

CLASS 6 / DAY

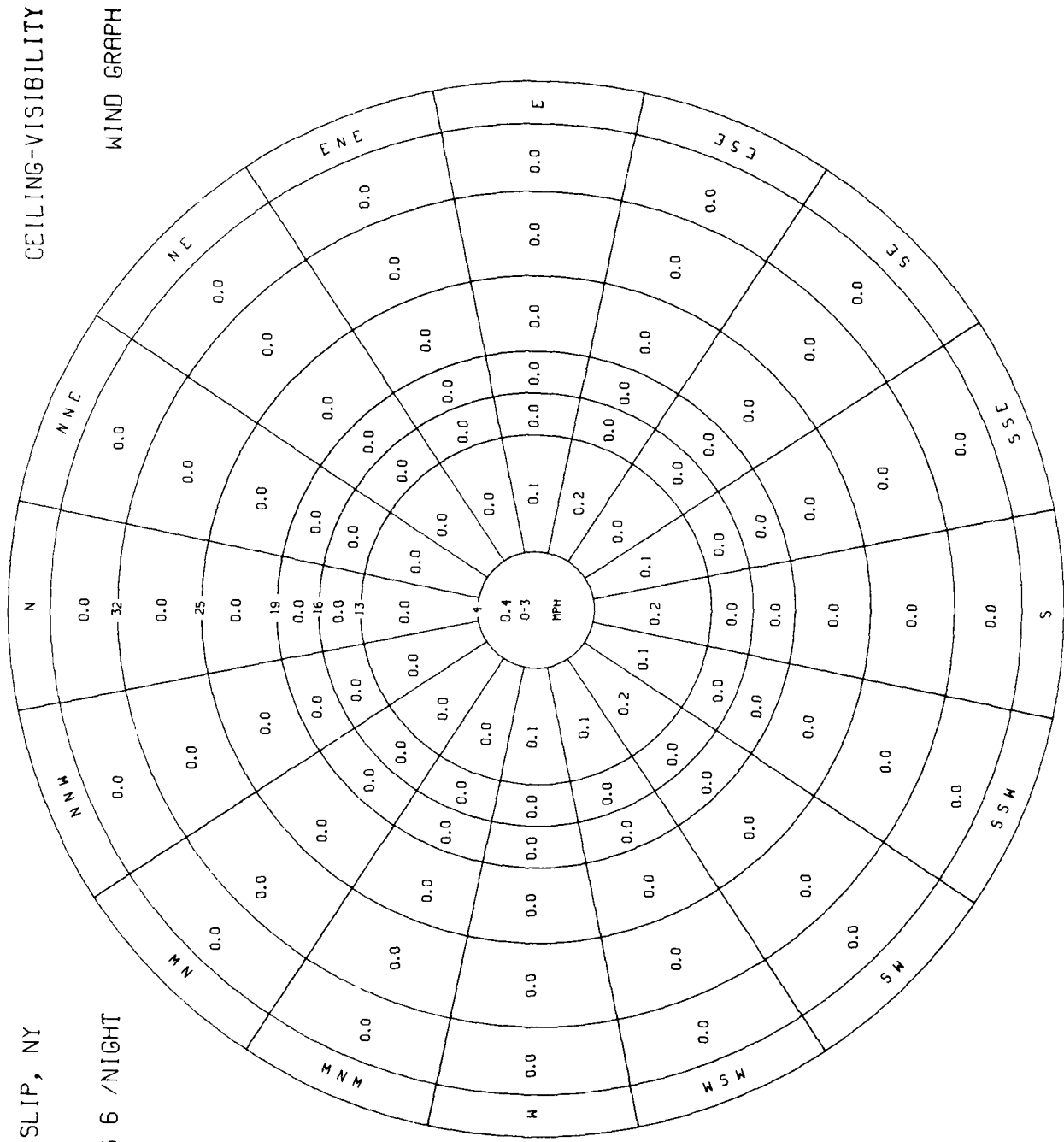
STATION NUMBER: 04781

NO. OBS.: 91

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	3.3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.4
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0 1.1
NE	.0	.0	.0	2.2	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	1.1	.1 5.5
ENE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
E	.0	.0	.0	3.3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.4
ESE	.0	.0	.1	5.5	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.1 6.6
SE	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
SSE	.0	.0	.0	3.3	.0	2.2	.0	1.1	.0	.0	.0	.0	.0	.0	.1 6.6
S	.0	.0	.2	15.4	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.2 17.6
SSW	.0	.0	.1	12.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.1 13.2
SW	.0	.0	.1	8.8	.0	2.2	.0	.0	.0	1.1	.0	.0	.0	.0	.1 12.1
WSW	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
W	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
WNW	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
NW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
NNW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0 2.2
CALM	.1	13.2													.1 13.2
TOTAL	.2	15.4	.7	65.9	.1	9.9	.0	4.2	.0	3.3	.0	.0	.0	.0	1.1 100

ISP ISLIP, NY

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISP ISLIP, NY

PERIOD: 1974-1978

CLASS 6 / NIGHT

STATION NUMBER: 04781

NO. OBS.: 123

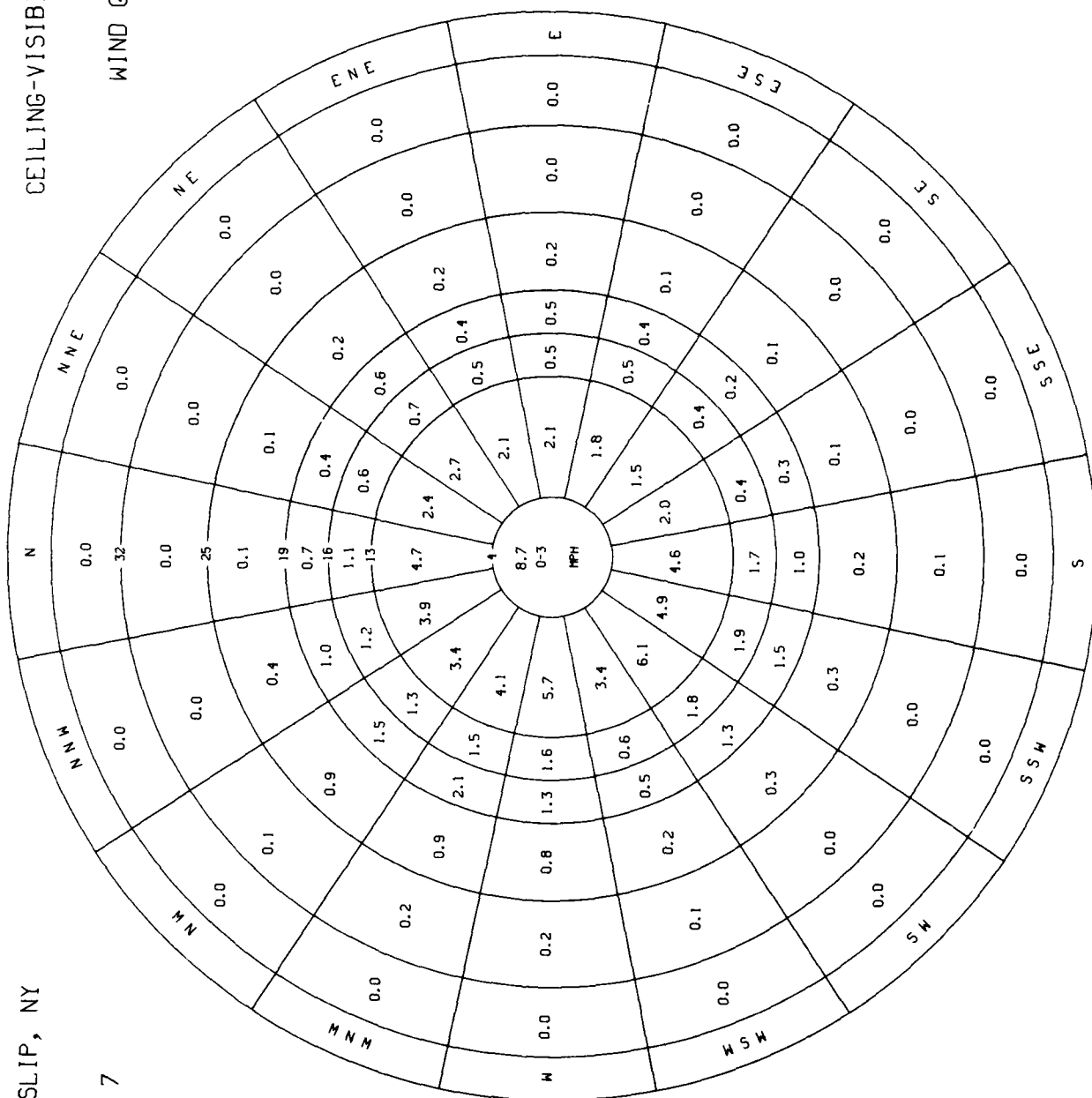
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.1	3.3	9.5
NNE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.0
NE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	2.4	15.7
ENE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	9.5
E	.0	.0	.1	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.7	7.3
ESE	.0	.0	.2	10.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.2	11.4	7.6
SE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	8.0
SSE	.0	.0	.1	7.3	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.2	8.1	9.3
S	.0	.0	.2	12.2	.0	2.4	.0	.8	.0	.0	.0	.8	.0	.0	.3	16.3	10.3
SSW	.0	.0	.1	4.1	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.1	5.7	10.4
SW	.0	.0	.2	13.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	13.0	7.6
WSW	.0	.0	.1	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	8.0
W	.0	.0	.1	3.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.1	9.0
WNW	.0	.8	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	6.3
NW	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	8.0
NNW	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	7.5
CALM	.3	16.3													.3	16.3	
TOTAL	.4	19.5	1.3	69.9	.1	5.7	.0	1.6	.0	1.6	.0	.8	.0	.8	1.9	100	7.4

ISP ISLIP, NY

CLASS 7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSS MASSENA, NY

PERIOD: 1950-1978

CLASS 1 / DAY

STATION NUMBER: 94725

NO. OBS.: 41566

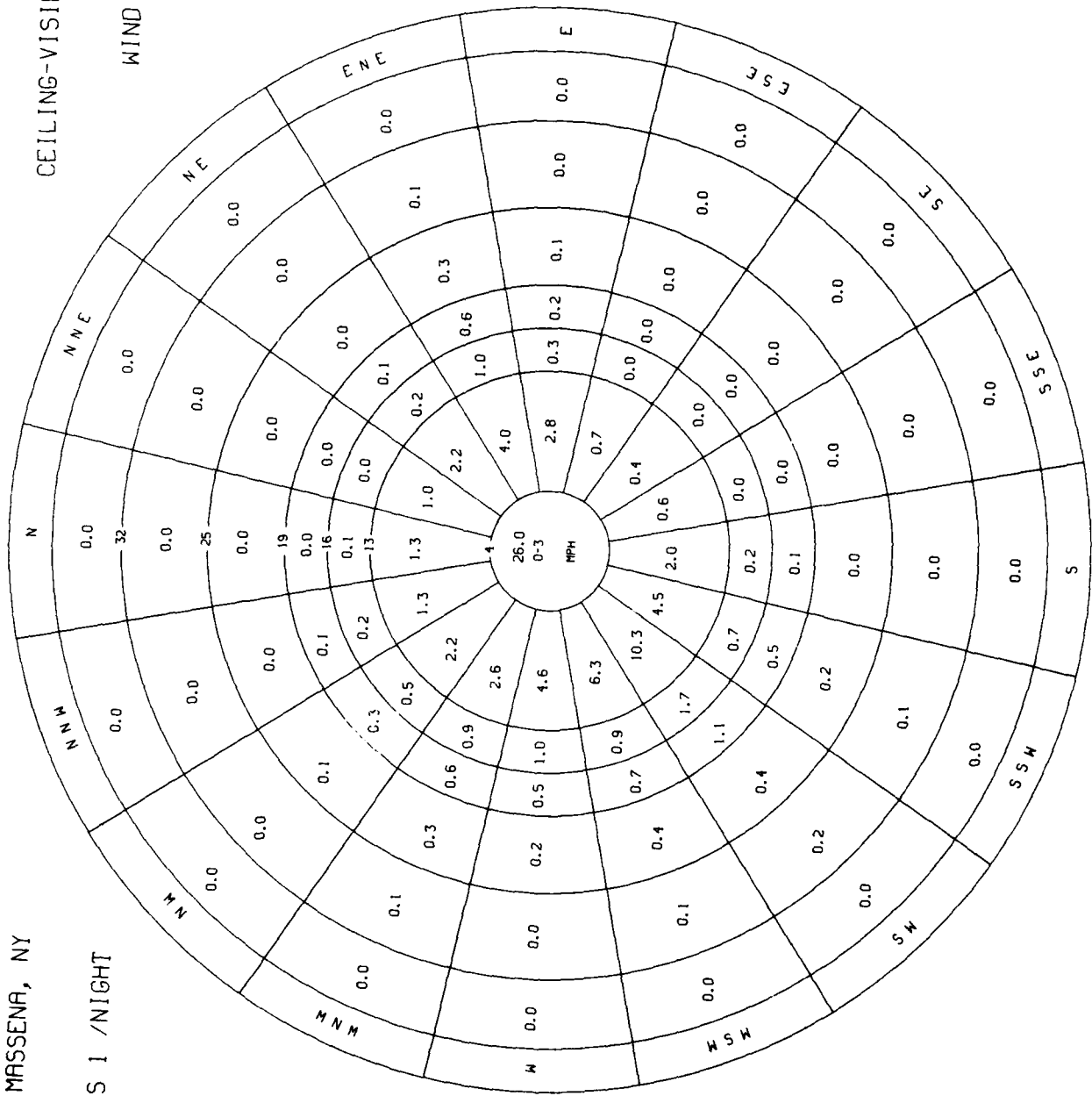
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	.2	1.5	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9 2.1
NNE	.1	.1	1.3	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5 1.7
NE	.2	.2	2.7	3.1	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.6 4.2
ENE	.2	.2	4.4	5.1	1.2	1.4	.8	.9	.3	.3	.0	.0	.0	.0	6.9 7.9
E	.3	.3	3.0	3.4	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	3.8 4.4
ESE	.1	.2	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0 1.2
SE	.1	.2	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6 .7
SSE	.1	.1	.6	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.8 1.0
S	.2	.2	1.9	2.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.4 2.8
SSW	.3	.3	3.4	3.9	.8	.9	.7	.8	.3	.4	.1	.1	.0	.0	5.6 6.5
SW	.4	.5	8.5	9.8	2.3	2.6	1.7	2.0	1.0	1.2	.2	.3	.1	.1	14.3 16.4
WSW	.2	.2	6.8	7.8	1.9	2.2	1.5	1.8	.8	.9	.2	.2	.1	.1	11.5 13.2
W	.2	.2	6.5	7.5	1.9	2.2	1.2	1.4	.5	.6	.1	.1	.0	.0	10.5 12.0
WNW	.1	.2	3.8	4.4	1.5	1.8	1.2	1.4	.6	.7	.1	.1	.0	.0	7.4 8.5
NW	.1	.1	2.6	3.0	.7	.8	.4	.5	.2	.2	.0	.0	.0	.0	4.1 4.7
NNW	.1	.1	2.1	2.4	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.7 3.1
CALM	8.5	9.7													8.5 9.7
TOTAL	11.4	13.1	50.5	58.1	11.9	13.6	8.4	9.6	3.8	4.4	.8	.9	.2	.3	87.1 100

MSS MASSENA, NY

CLASS 1 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSS MASSENA, NY

PERIOD: 1950-1978

CLASS 1 / NIGHT

STATION NUMBER: 94725

NO. OBS.: 29940

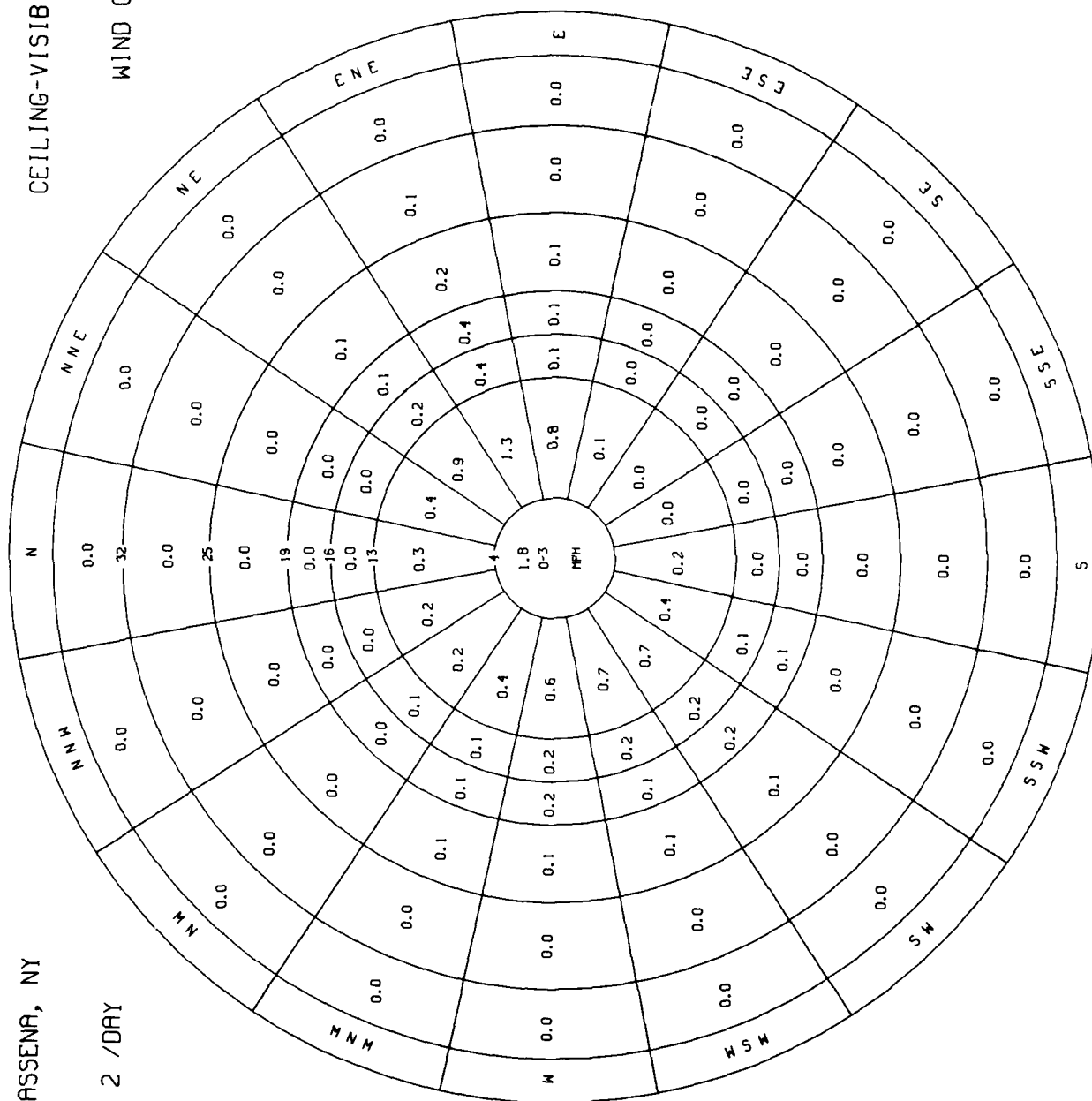
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.2	1.3	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.7	7.8
NNE	.2	.2	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.3	6.9
NE	.3	.3	2.2	2.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.8	3.2	8.2
ENE	.3	.4	4.0	4.5	1.0	1.2	.6	.6	.3	.3	.1	.1	.0	.0	6.3	7.1	10.7
E	.4	.5	2.8	3.2	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	3.7	4.2	8.4
ESE	.2	.2	.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	5.8
SE	.1	.2	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6	6.1
SSE	.2	.2	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.9	6.7
S	.4	.4	2.0	2.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.7	3.1	7.6
SSW	.5	.5	4.5	5.1	.7	.7	.5	.6	.2	.3	.1	.1	.0	.0	6.4	7.2	9.7
SW	.7	.8	10.3	11.7	1.7	1.9	1.1	1.3	.4	.5	.2	.2	.0	.1	14.4	16.3	10.0
WSW	.4	.5	6.3	7.1	.9	1.0	.7	.8	.4	.5	.1	.2	.0	.0	8.8	10.1	10.2
W	.3	.4	4.6	5.2	1.0	1.1	.5	.6	.2	.3	.0	.1	.0	.0	6.7	7.6	10.4
WNW	.1	.2	2.6	3.0	.9	1.0	.6	.7	.3	.4	.1	.1	.0	.0	4.7	5.4	12.1
NW	.1	.2	2.2	2.5	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	3.2	3.6	10.3
NNW	.1	.1	1.3	1.5	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	1.8	2.0	9.3
CALM	21.5	24.5													21.5	24.5	
TOTAL	26.0	29.6	46.6	53.0	7.7	8.7	4.7	5.4	2.1	2.4	.6	.7	.1	.2	88.0	100	7.4

MSS MASSENA, NY

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSS MASSENA, NY

PERIOD: 1950-1978

CLASS 2 / DAY

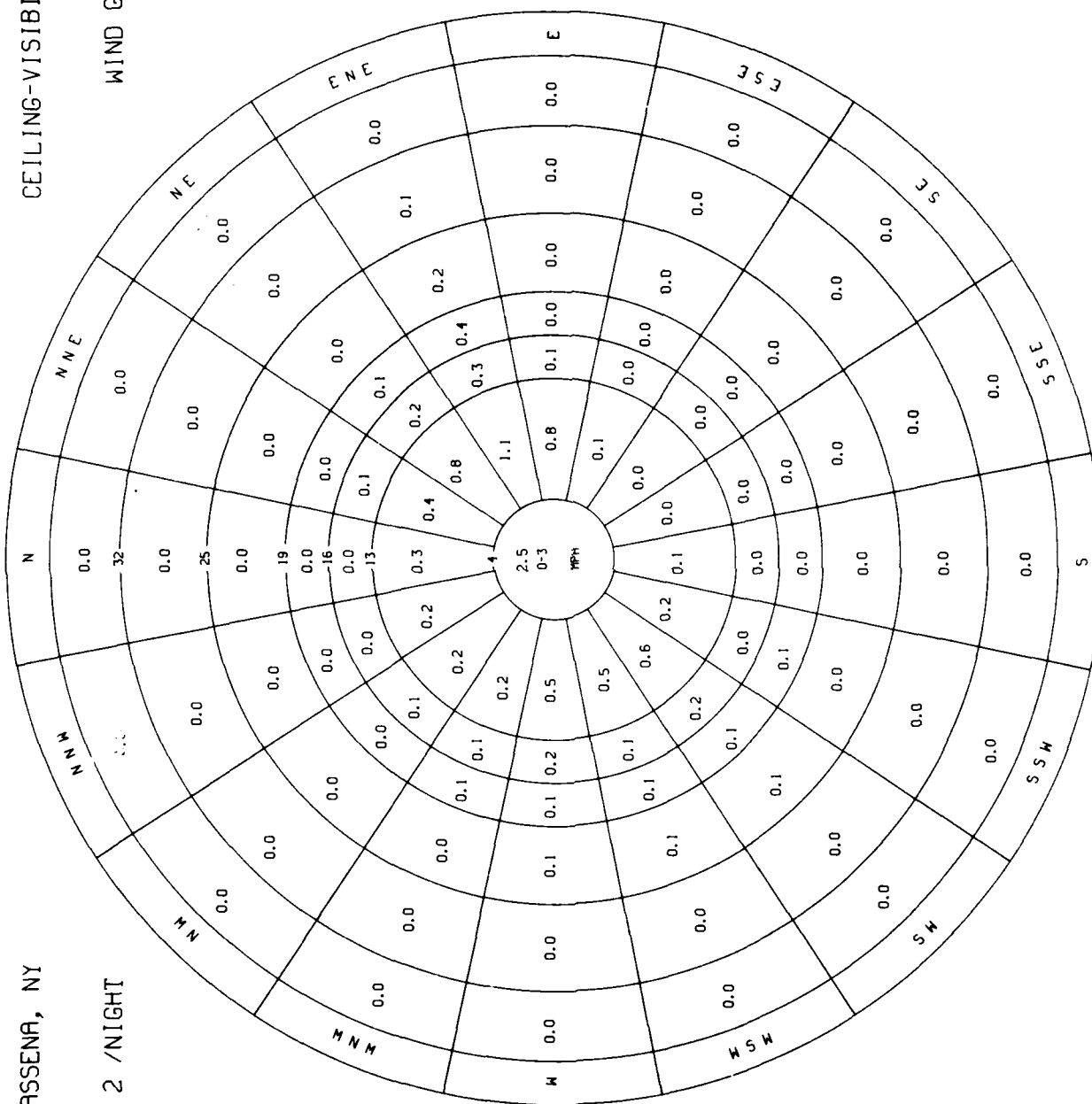
STATION NUMBER: 94725

NO. OBS.: 6174

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.3	2.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4 2.9
NNE	.0	.3	.4	2.7	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5 3.6
NE	.0	.2	.9	6.6	.2	1.6	.1	1.0	.1	.6	.0	.1	.0	.0	1.3 10.2
ENE	.1	.6	1.3	10.2	.4	3.2	.4	3.1	.2	1.6	.1	.5	.0	.0	2.5 19.2
E	.1	.6	.8	6.2	.1	.6	.1	.5	.1	.5	.0	.1	.0	.0	1.1 8.5
ESE	.0	.2	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.5
SE	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
SSE	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .4
S	.0	.2	.2	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.8
SSW	.0	.1	.4	2.7	.1	.7	.1	.6	.0	.3	.0	.1	.0	.0	.6 4.5
SW	.0	.3	.7	5.5	.2	1.7	.2	1.5	.1	.8	.0	.2	.0	.0	1.3 10.2
WSW	.0	.2	.7	5.6	.2	1.2	.1	1.0	.1	.4	.0	.1	.0	.0	1.1 8.6
W	.0	.1	.6	4.3	.2	1.4	.2	1.4	.1	.5	.0	.2	.0	.1	1.0 7.9
WNW	.0	.0	.4	2.8	.1	1.0	.1	.7	.1	.5	.0	.1	.0	.0	.7 5.2
NW	.0	.1	.2	1.9	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.4 2.9
NNW	.0	.1	.2	1.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.2
CALM	1.3	10.1													1.3 10.1
TOTAL	1.8	13.7	7.2	55.7	1.7	12.9	1.4	10.6	.7	5.3	.2	1.5	.0	.3	12.9 10.2

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSS MASSENA, NY

PERIOD: 1950-1978

CLASS 2 / NIGHT

STATION NUMBER: 94725

NO. OBS.: 4101

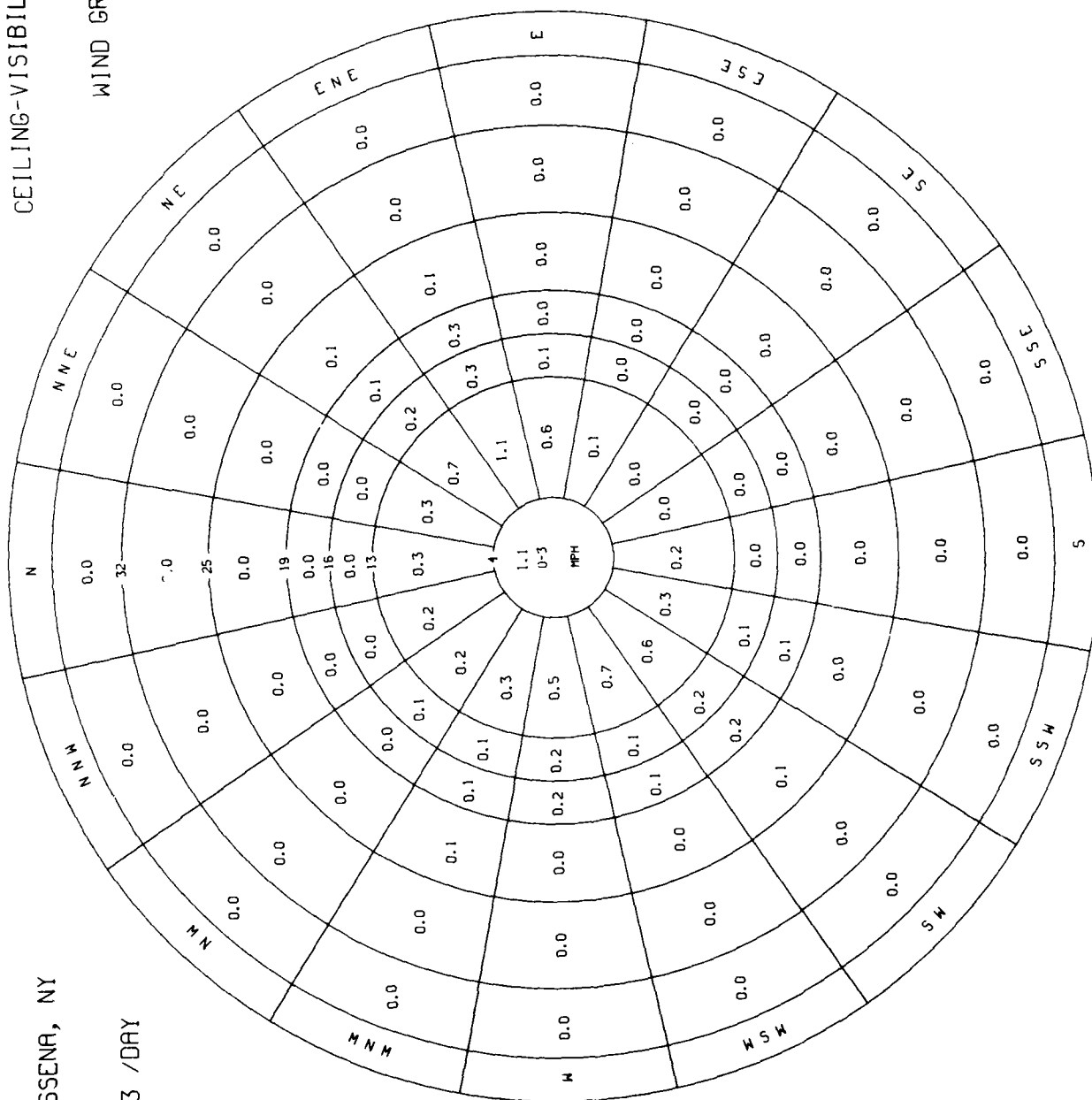
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.2	.3	2.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.7
NNE	.0	.3	.4	3.0	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.5 4.0
NE	.0	.4	.8	6.5	.2	1.5	.1	1.2	.0	.4	.0	.1	.0	.0	1.2 10.2
ENE	.1	.8	1.1	9.3	.3	2.5	.4	3.1	.2	1.5	.1	.6	.0	.1	2.2 17.9
E	.1	.6	.8	6.2	.1	.8	.0	.4	.0	.3	.0	.1	.0	.1	1.0 8.6
ESE	.0	.3	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.2
SE	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .5
SSE	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
S	.0	.2	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.3
SSW	.0	.1	.2	1.9	.0	.4	.1	.6	.0	.2	.0	.1	.0	.0	.4 3.3
SW	.0	.3	.6	5.3	.2	1.6	.1	.9	.1	.7	.0	.2	.0	.0	1.1 8.9
WSW	.0	.1	.5	4.4	.1	1.2	.1	.9	.1	.6	.0	.0	.0	.0	.9 7.2
W	.0	.2	.5	4.0	.2	1.3	.1	.9	.1	.7	.0	.0	.0	.0	.9 7.3
WNW	.0	.1	.2	2.0	.1	.8	.1	.9	.0	.3	.0	.1	.0	.0	.5 4.2
NW	.0	.2	.2	2.0	.1	.6	.0	.2	.0	.2	.0	.0	.0	.0	.4 3.1
NNW	.0	.3	.2	1.4	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3 2.3
CALM	2.0	16.8													2.0 16.8
TOTAL	2.5	21.0	6.1	51.0	1.4	11.8	1.1	9.5	.6	5.0	.2	1.4	.0	.3	12.0 100

CEILING-VISIBILITY

WIND GRAPH

MSS MASSENA, NY

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSS MASSENA, NY

PERIOD: 1950-1978

CLASS 3 / DAY

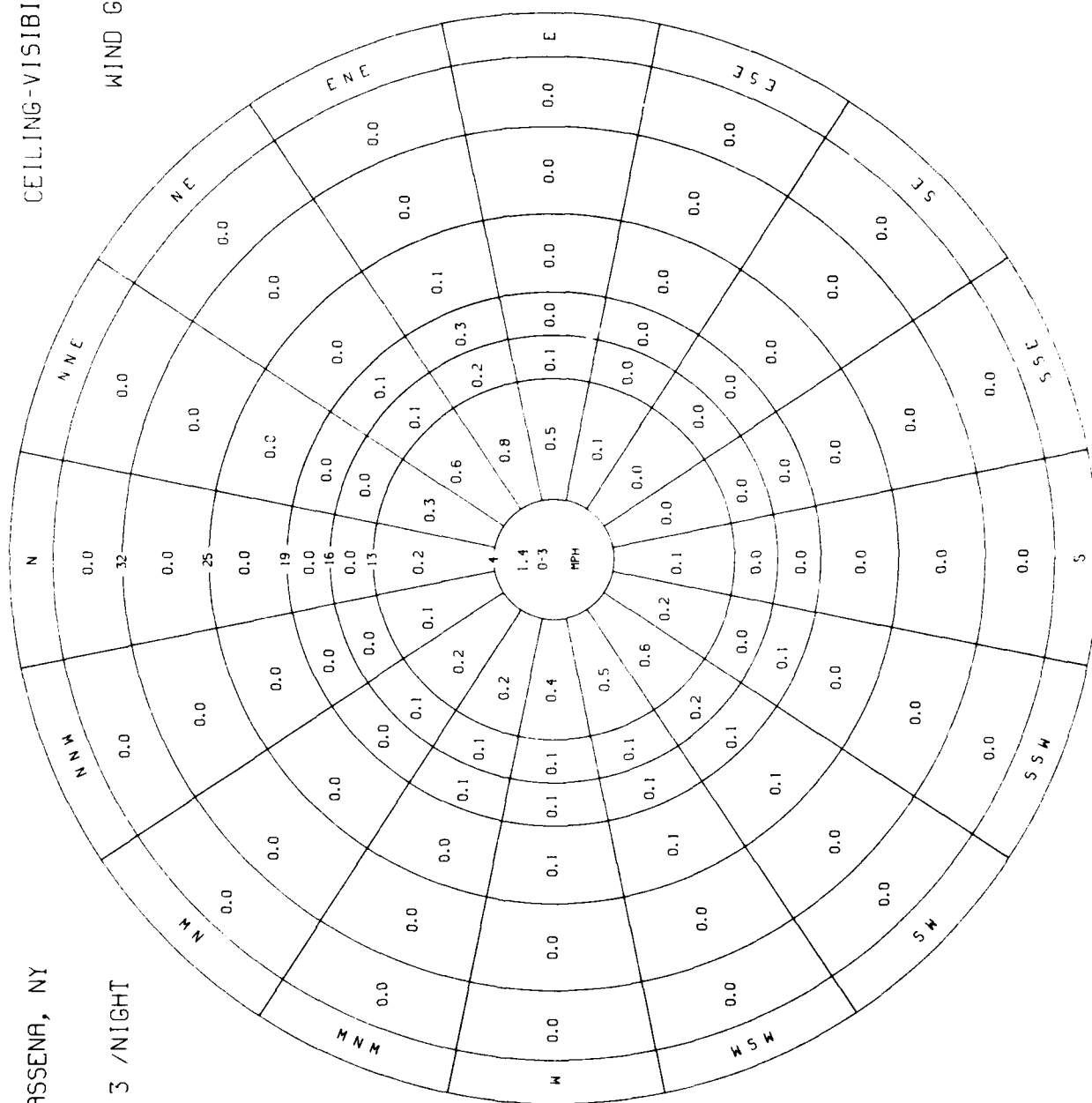
STATION NUMBER: 94725

NO. OBS.: 5038

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.2	.3	2.4	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.3 3.1
NNE	.0	.3	.3	2.8	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.7
NE	.0	.2	.7	6.6	.2	1.5	.1	.9	.1	.6	.0	.0	.0	.0	1.0 9.8
ENE	.0	.5	1.1	10.2	.3	3.3	.3	3.2	.1	1.3	.0	.4	.0	.0	2.0 18.9
E	.0	.5	.6	5.6	.1	.5	.0	.4	.0	.4	.0	.1	.0	.0	.8 7.5
ESE	.0	.2	.1	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.5
SE	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
SSE	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .5
S	.0	.1	.2	1.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.8
SSW	.0	.1	.3	3.1	.1	.7	.1	.7	.0	.3	.0	.1	.0	.0	.5 5.1
SW	.0	.3	.6	6.1	.2	2.0	.2	1.8	.1	.9	.0	.2	.0	.1	1.2 11.4
WSW	.0	.1	.7	6.3	.1	1.3	.1	1.1	.0	.5	.0	.2	.0	.1	1.0 9.5
W	.0	.1	.5	4.7	.2	1.5	.2	1.4	.0	.5	.0	.2	.0	.1	.9 8.4
WNW	.0	.0	.3	3.1	.1	1.1	.1	.7	.1	.6	.0	.1	.0	.0	.6 5.6
NW	.0	.1	.2	1.9	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.3 2.8
NNW	.0	.1	.2	1.8	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.2 2.3
CALM	.8	7.7													.8 7.7
TOTAL	1.1	10.7	6.1	58.0	1.4	13.6	1.2	11.0	.6	5.2	.1	1.3	.0	.3	10.6 10.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSS MASSENA, NY

PERIOD: 1950-1978

CLASS 3 / NIGHT

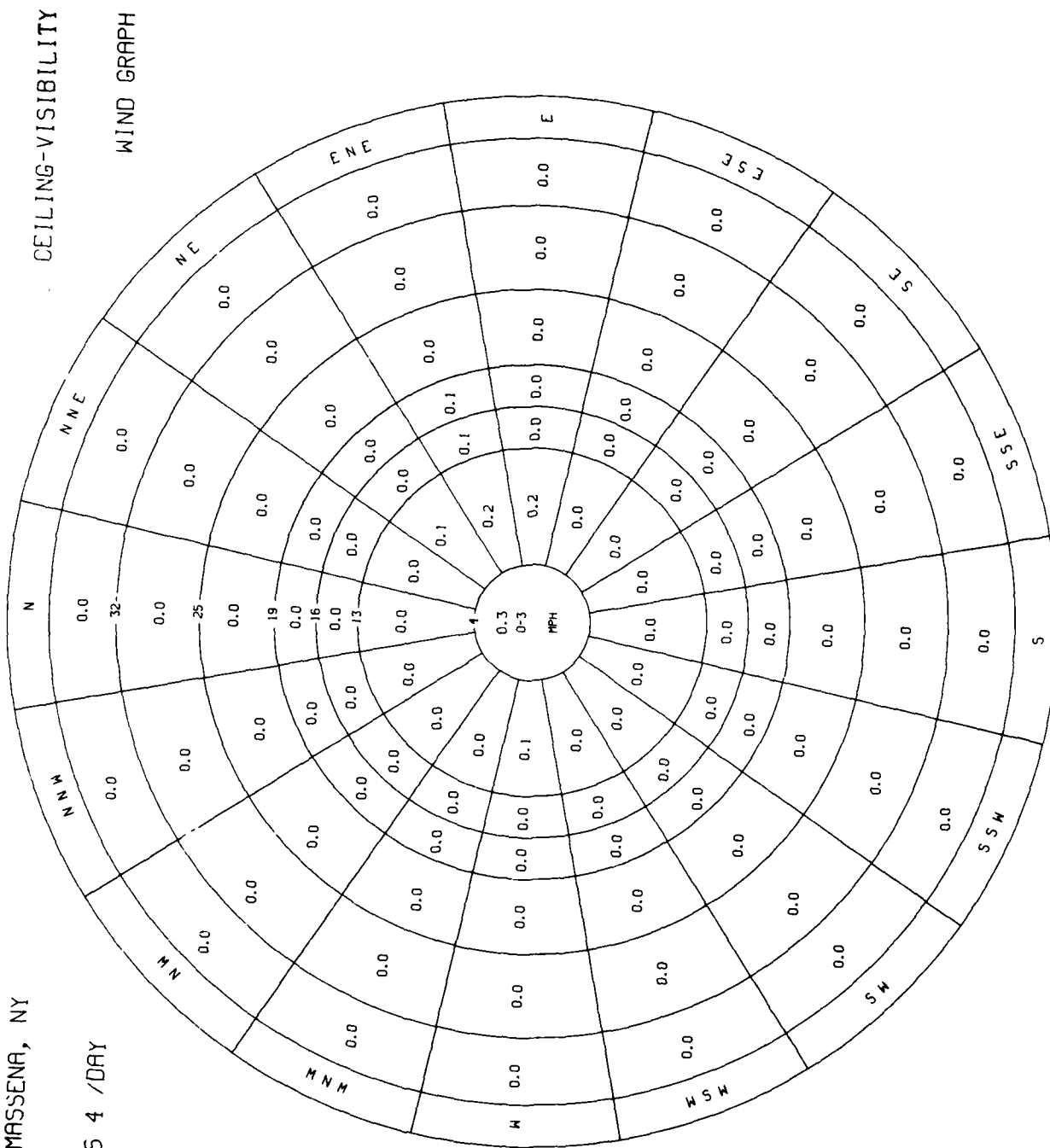
STATION NUMBER: 94725

NO. OBS.: 3095

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.0	.2	.2	2.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0	8.1
NNE	.0	.3	.3	3.2	.0	.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.4	4.3	9.5
NE	.0	.3	.6	6.7	.1	1.4	.1	1.2	.0	.4	.0	.1	.0	.0	.0	.9	10.0	10.9
NNE	.1	.6	.8	9.3	.2	2.6	.3	3.3	.1	1.3	.0	.5	.0	.1	.1	1.6	17.7	12.7
E	.1	.6	.5	5.7	.1	.8	.0	.4	.0	.3	.0	.1	.0	.1	.7	8.0	9.9	9.9
ESE	.0	.2	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	5.7	5.7
SE	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.2	5.2
SSE	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.2	5.2
S	.0	.2	.1	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.1	5.1
SSW	.0	.1	.2	2.2	.0	.5	.1	.8	.0	.3	.0	.2	.0	.0	.4	4.1	12.6	12.6
SW	.0	.1	.6	6.1	.2	2.0	.1	.9	.1	.9	.0	.2	.0	.0	.9	10.2	12.1	12.1
WSW	.0	.0	.5	5.0	.1	1.3	.1	1.1	.1	.7	.0	.0	.0	.0	.8	8.3	11.9	11.9
W	.0	.1	.4	4.6	.1	1.6	.1	1.1	.1	.9	.0	.0	.0	.0	.8	8.3	12.4	12.4
WNW	.0	.1	.2	2.4	.1	.9	.1	1.1	.0	.4	.0	.1	.0	.0	.5	5.0	13.0	13.0
NW	.0	.2	.2	2.3	.1	.7	.0	.2	.0	.2	.0	.0	.0	.0	.3	3.6	10.6	10.6
NNW	.0	.3	.1	1.5	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.2	2.6	10.1	10.1
CALM	1.0	11.4													1.0	11.4		
TOTAL	1.4	15.0	4.9	54.4	1.2	13.1	1.0	10.6	.5	5.4	.1	1.4	.0	.2	9.1	100	10.1	10.1

MSS MASSENA, NY

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSS MASSENA, NY

PERIOD: 1950-1978

CLASS 4 / DAY

STATION NUMBER: 94725

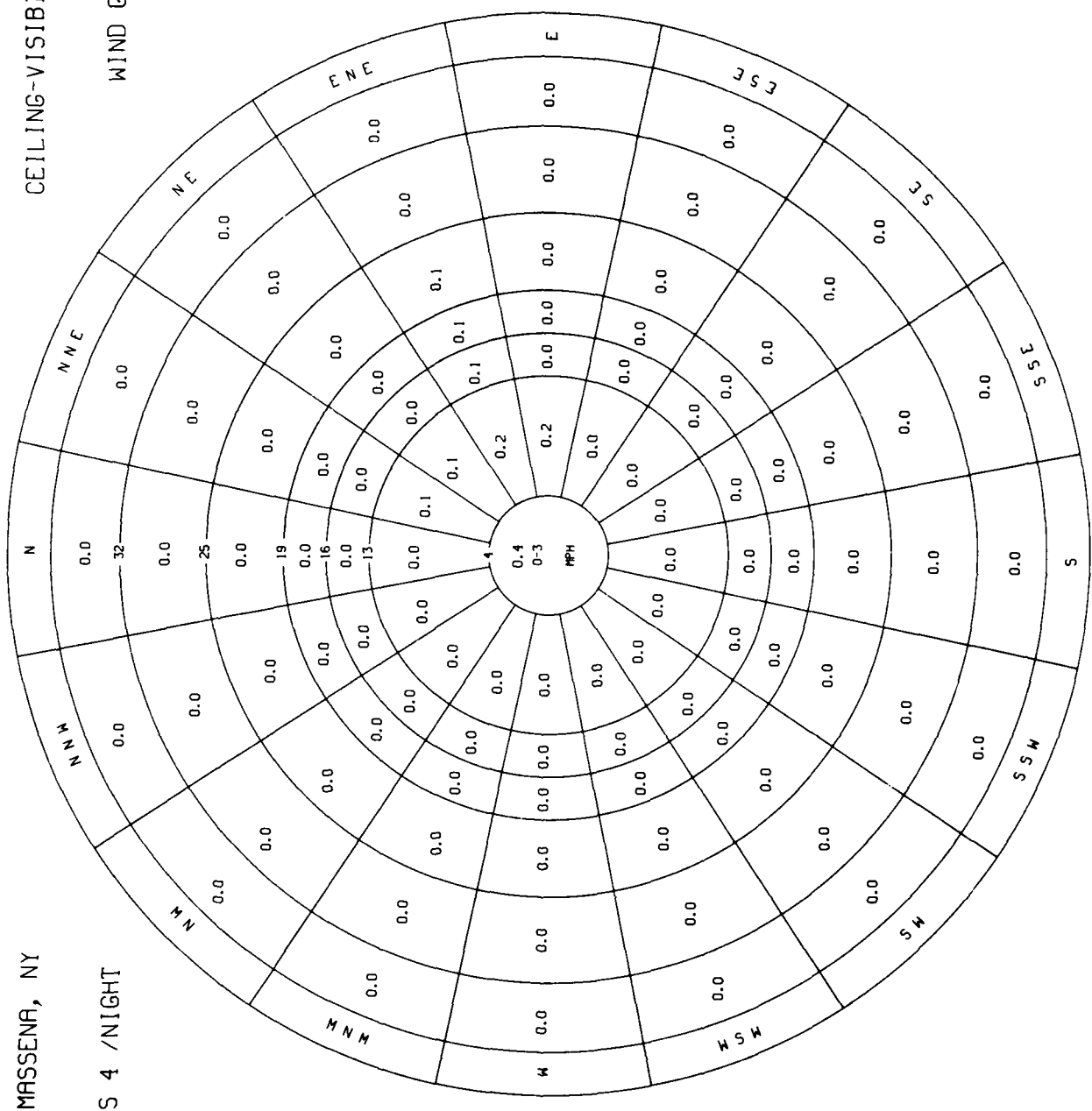
NO. OBS.: 760

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.5	.0	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	7.1
NNE	.0	.4	.0	2.6	.0	.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	3.7
NE	.0	.4	.1	7.6	.0	2.0	.0	.7	.0	1.2	.0	.7	.0	.0	.0	.2	12.5
ENE	.0	.7	.2	11.3	.1	3.2	.1	3.3	.0	2.6	.0	.7	.0	.0	.0	.3	21.7
E	.0	1.4	.2	9.6	.0	1.3	.0	1.1	.0	.9	.0	.3	.0	.0	.0	.2	14.6
ESE	.0	.4	.0	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
SE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
SSE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
S	.0	.7	.0	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6
SSW	.0	.3	.0	.8	.0	.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	2.0
SW	.0	.4	.0	2.9	.0	.8	.0	.8	.0	.4	.0	.0	.0	.0	.0	.1	5.3
WSW	.0	.4	.0	2.9	.0	1.1	.0	.3	.0	.3	.0	.1	.0	.0	.0	.1	5.0
W	.0	.1	.1	3.3	.0	.8	.0	1.4	.0	.4	.0	.5	.0	.0	.0	.1	6.6
WNW	.0	.1	.0	2.1	.0	.8	.0	.7	.0	.1	.0	.3	.0	.0	.0	.1	4.1
NW	.0	.1	.0	2.6	.0	1.1	.0	.4	.0	.3	.0	.0	.0	.0	.0	.1	4.5
NNW	.0	.0	.0	1.4	.0	.1	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	2.1
CALM	.2	12.0														.2	12.0
TOTAL	.3	17.9	.8	51.3	.2	12.4	.2	9.6	.1	6.2	.0	2.6	.0	.0	.0	1.6	10.0

MSS MASSENA, NY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSS MASSENA, NY

PERIOD: 1950-1978

CLASS 4 / NIGHT

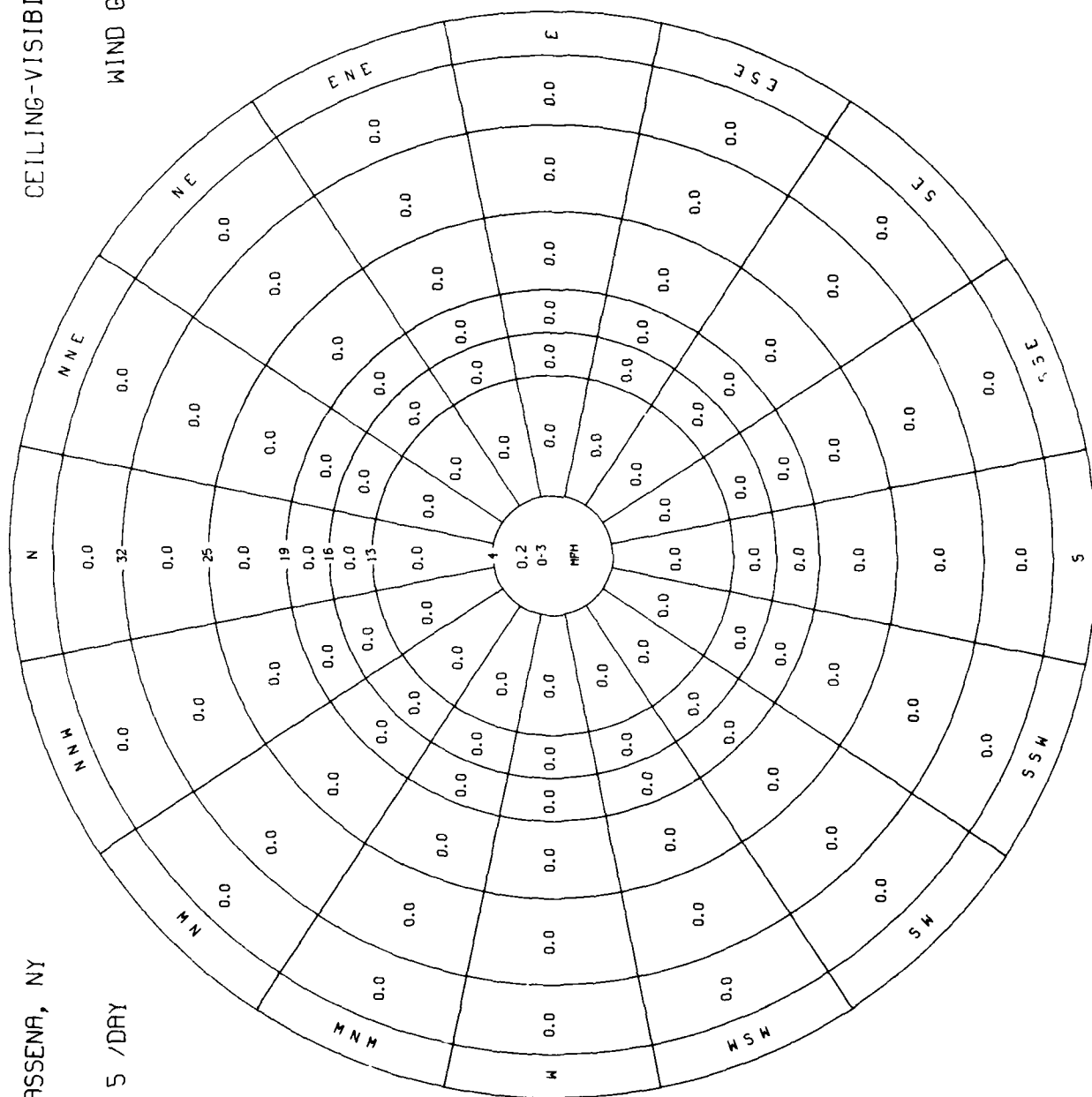
STATION NUMBER: 94725

NO. OBS.: 606

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.0	.0	1.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	8.6
NNE	.0	.3	.1	4.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	8.0
NE	.0	.7	.1	8.3	.0	2.5	.0	2.0	.0	.7	.0	.5	.0	.0	.0	.3	14.5	11.4
ENE	.0	.8	.2	11.2	.1	3.1	.1	3.3	.1	3.1	.0	1.0	.0	.2	.4	22.8	12.9	
E	.0	.7	.2	9.2	.0	1.2	.0	.5	.0	.3	.0	.2	.0	.3	.2	12.4	10.1	
ESE	.0	.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.9	
SE	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	6.7	
SSE	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.0	
S	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.3	
SSW	.0	.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.7	
SW	.0	.3	.0	2.6	.0	.8	.0	.7	.0	.2	.0	.2	.0	.0	.1	4.8	10.8	
WSW	.0	.0	.0	2.3	.0	1.0	.0	.0	.0	.2	.0	.2	.0	.0	.1	3.6	11.0	
W	.0	.0	.0	2.5	.0	.8	.0	.7	.0	.3	.0	.0	.0	.0	.1	4.3	12.0	
WNW	.0	.0	.0	1.5	.0	.7	.0	.5	.0	.0	.0	.2	.0	.2	.1	3.0	14.0	
NW	.0	.2	.0	1.0	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	2.0	11.5	
NNW	.0	.2	.0	1.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.5	8.0	
CALM	.4	21.0													.4	21.0		
TOTAL	.4	24.9	.9	48.3	.2	10.9	.1	8.3	.1	4.8	.0	2.1	.0	.7	1.8	100		8.8

CEILING-VISIBILITY

WIND GRAPH



MSS MASSENA, NY

CLASS 5 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSS MASSENA, NY

PERIOD: 1950-1978

CLASS 5 / DAY

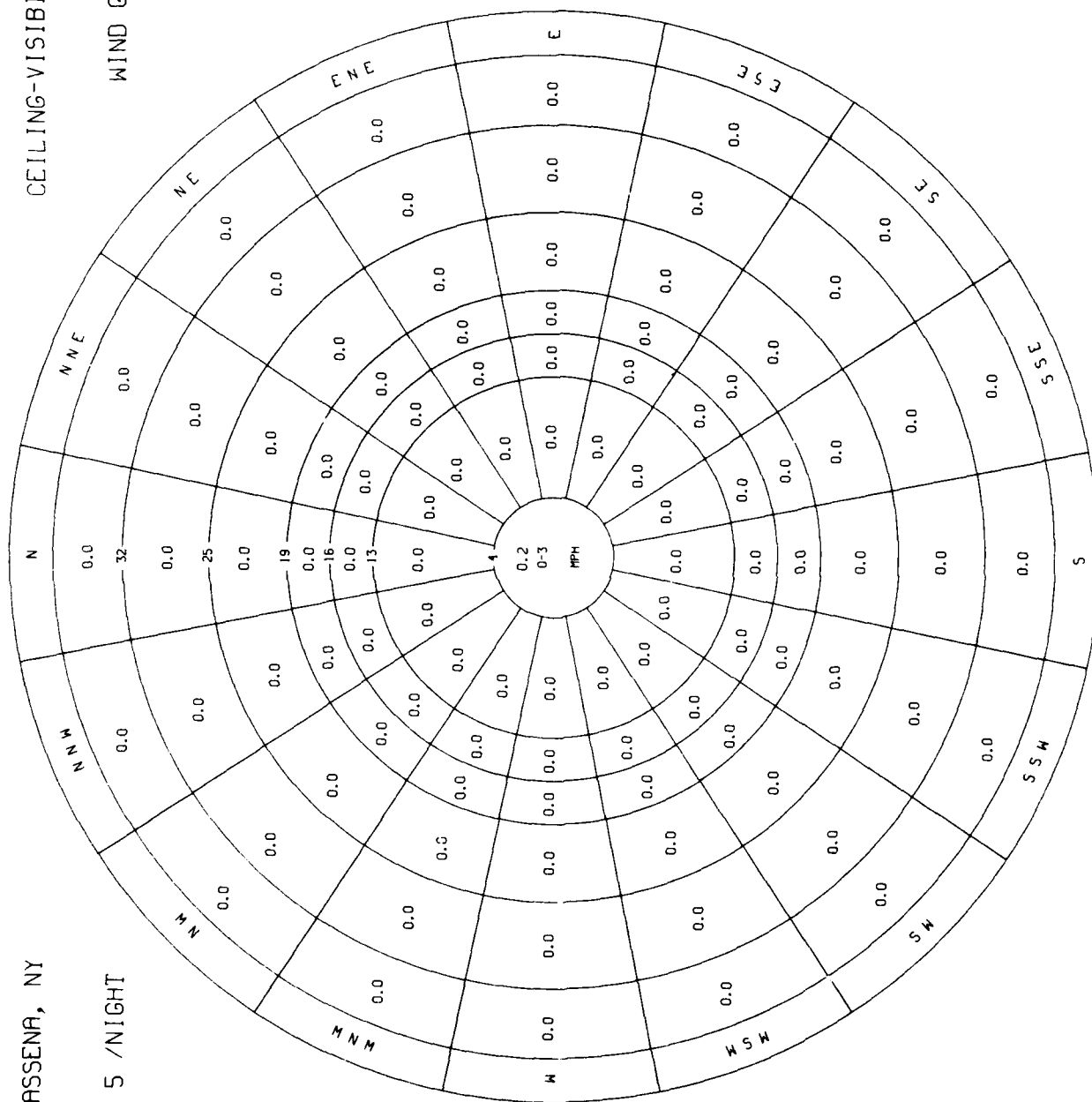
STATION NUMBER: 94725

NO. OBS.: 207

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
NNE	.0	.5	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
NE	.0	.0	.0	5.8	.0	1.4	.0	4.8	.0	1.0	.0	.0	.0	.0	.1 13.0
ENE	.0	1.9	.0	10.1	.0	1.4	.0	2.9	.0	2.9	.0	2.4	.0	.0	.1 21.7
E	.0	1.0	.0	6.3	.0	.5	.0	.5	.0	.5	.0	.5	.0	.0	.0 9.2
ESE	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
SE	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
S	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
SSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
SW	.0	1.0	.0	3.4	.0	.0	.0	.0	.0	.5	.0	.5	.0	.0	.0 5.3
WSW	.0	1.0	.0	2.9	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0 5.3
W	.0	.5	.0	.5	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0 1.9
WNW	.0	.0	.0	1.9	.0	.5	.0	1.0	.0	.5	.0	.0	.0	.0	.0 3.9
NW	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.5	.0	.0	.0	.0	.0 1.4
NNW	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
CALM	.1	29.0													.1 29.0
TOTAL	.2	36.2	.2	37.7	.0	5.3	.0	11.1	.0	6.3	.0	3.4	.0	.0	.4 10.0
															8.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSS MASSENA, NY

PERIOD: 1950-1978

CLASS 5 / NIGHT

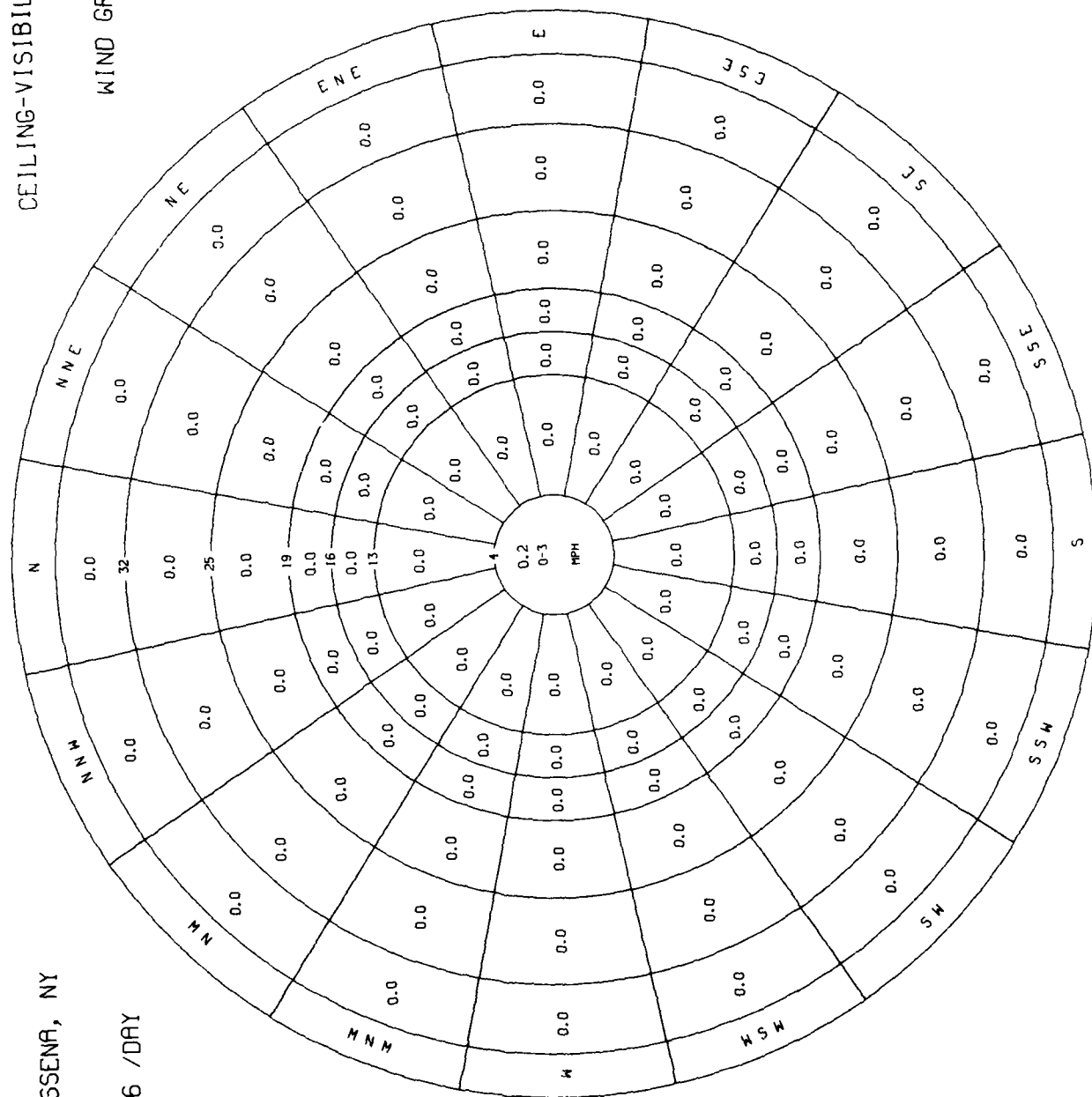
NO. OBS.: 142

STATION NUMBER: 94725

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.7	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	6.5
NNE	.0	.7	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.0
NE	.0	.0	.0	1.4	.0	.7	.0	1.4	.0	1.4	.0	.0	.0	.0	.7	.0	5.6	17.7
ENE	.0	.0	.0	8.5	.0	1.4	.0	2.8	.0	.7	.0	1.4	.0	.0	.0	.1	14.8	12.1
E	.0	1.4	.0	6.3	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	7.7
ESE	.0	2.1	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.0
SE	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	5.5
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.7	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.7
SSW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	7.0
SW	.0	.0	.0	1.4	.0	.7	.0	1.4	.0	.7	.0	.0	.0	.0	.0	.0	4.2	15.0
WSW	.0	1.4	.0	2.8	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	6.7
W	.0	2.8	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	5.6	8.0
WNW	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	14.0
NW	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	6.5
NNW	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	10.0
CALM	.2	40.1														.2	40.1	
TOTAL	.2	50.0	.1	33.1	.0	5.6	.0	5.6	.0	2.8	.0	2.1	.0	.7	.4	100		5.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSS MASSENA, NY

PERIOD: 1950-1978

CLASS 6 / DAY

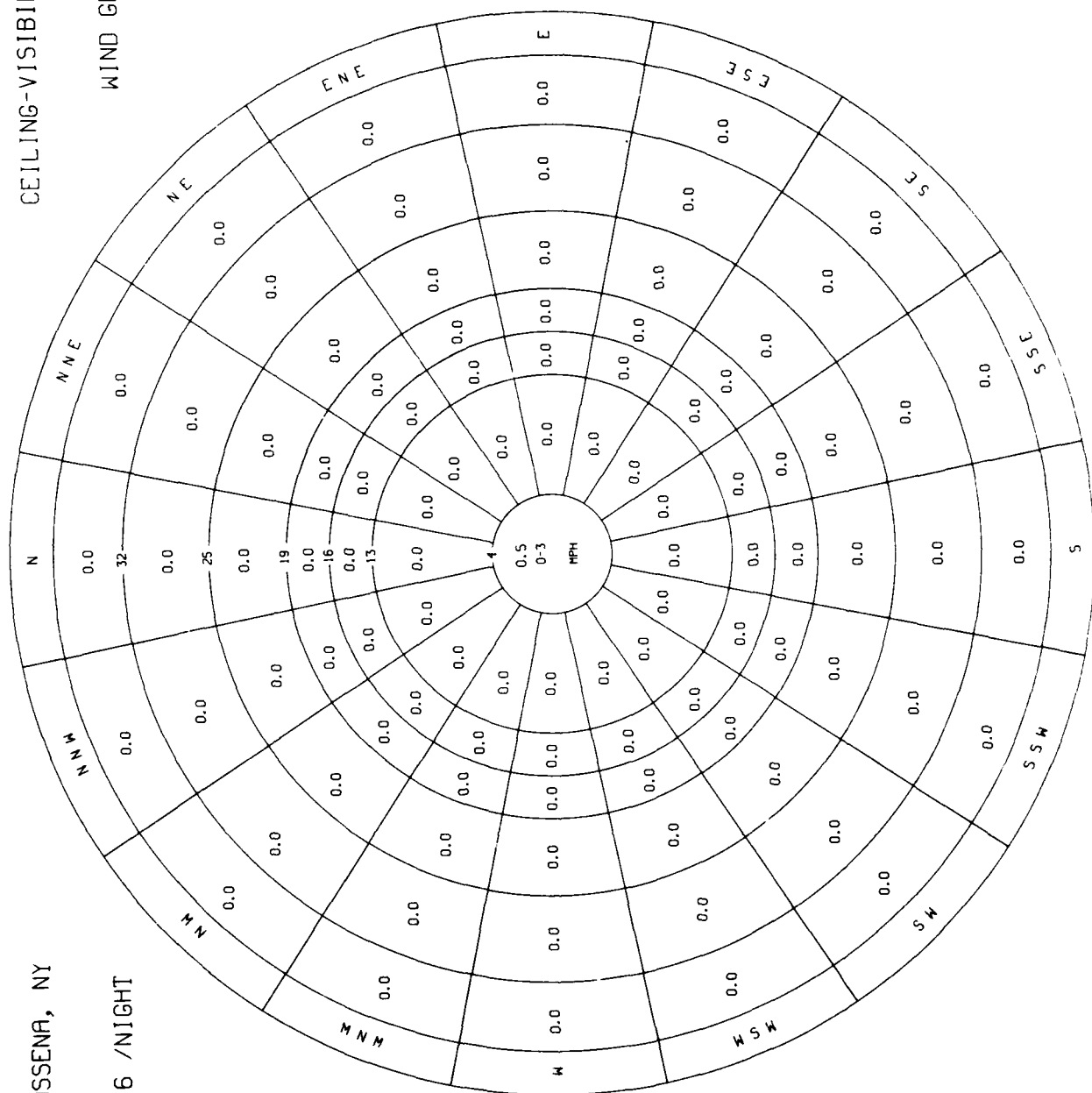
STATION NUMBER: 94725

NO. OBS.: 169

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0 1.2
NNE	.0	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0 1.2
NE	.0	1.2	.0	4.1	.0	1.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0 8.3
ENE	.0	2.4	.0	5.9	.0	1.8	.0	1.8	.0	1.8	.0	.0	.0	.6	.1 14.2
E	.0	.6	.0	7.1	.0	.0	.0	.0	.0	.6	.0	.0	.0	1.2	.0 9.5
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SE	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
S	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SSW	.0	.0	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
SW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.3
WSW	.0	.0	.0	1.2	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0 2.4
W	.0	1.2	.0	2.4	.0	.0	.0	.6	.0	.6	.0	.0	.0	.6	.0 5.3
WNW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
NW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
CALM	.2	49.7													.2 49.7
TOTAL	.2	56.8	.1	27.8	.0	4.7	.0	4.7	.0	3.6	.0	.0	.0	2.4	.4 100
															5.3

CEILING-VISIBILITY

WIND GRAPH



MSS MASSENA, NY

CLASS 6 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSS MASSENA, NY

PERIOD: 1950-1978

CLASS 6 / NIGHT

STATION NUMBER: 94725

NO. OBS.: 258

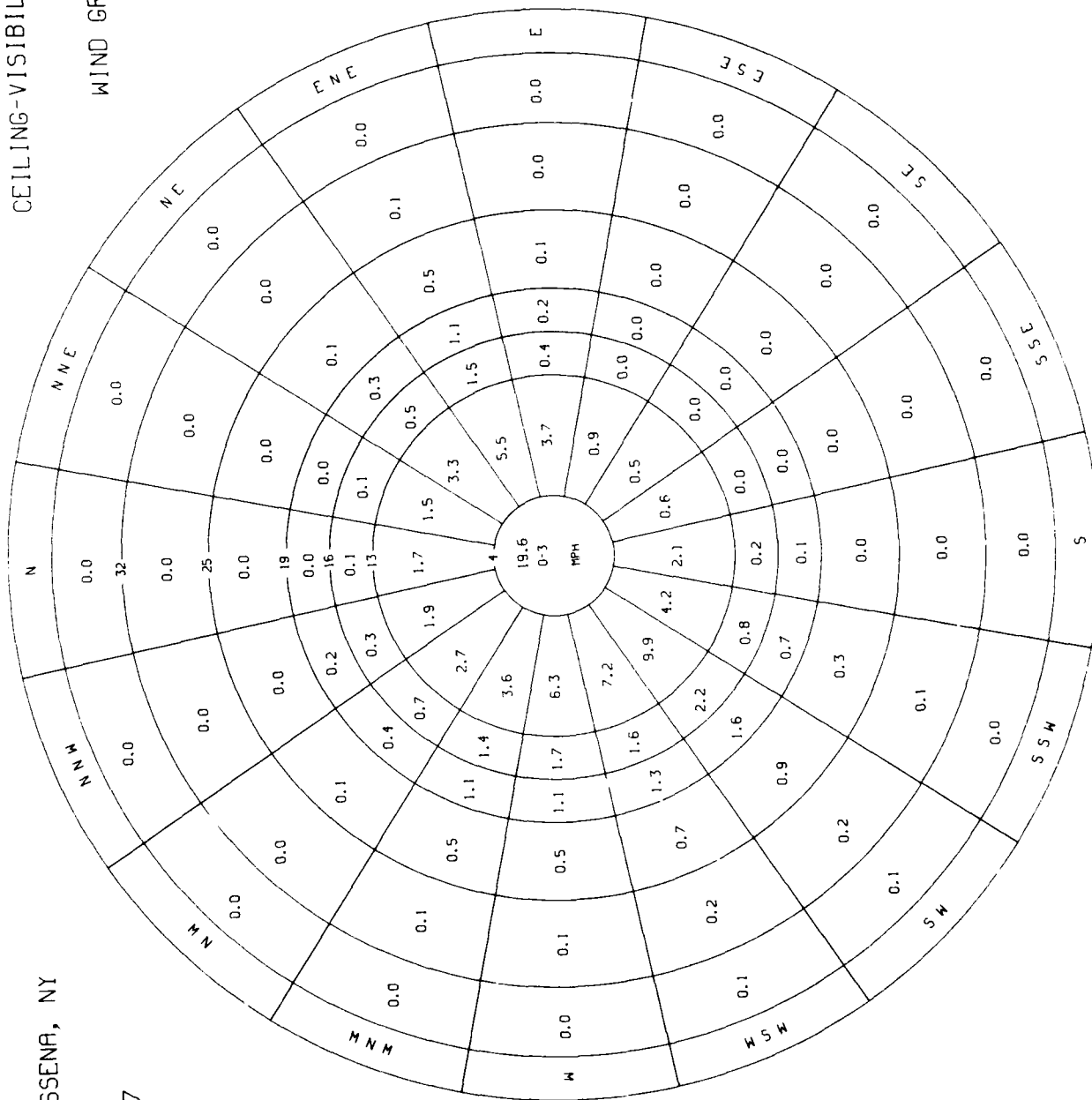
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	12.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.8	.0	3.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	4.7	7.5
ENE	.0	2.7	.0	5.4	.0	.4	.0	.8	.0	1.2	.0	.0	.0	.0	.1	10.5	8.9
E	.0	.4	.0	5.8	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.1	7.0	8.6
ESE	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.3
SE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.0
SSE	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.3
SW	.0	1.9	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	5.5
WSW	.0	.8	.0	1.9	.0	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	3.9	9.2
W	.0	.8	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	5.7
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.7
NNW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.0
CALM	.4	59.3													.4	59.3	
TOTAL	.5	68.2	.2	26.4	.0	1.6	.0	1.6	.0	1.9	.0	.4	.0	.0	.8	100	3.1

CEILING-VISIBILITY

WIND GRAPH

MSS MASSENA, NY

CLASS 7



AD-A108 156

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/8 4/2

WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(U)

JUN 81

DOT-FA79WAI-057

NL

UNCLASSIFIED

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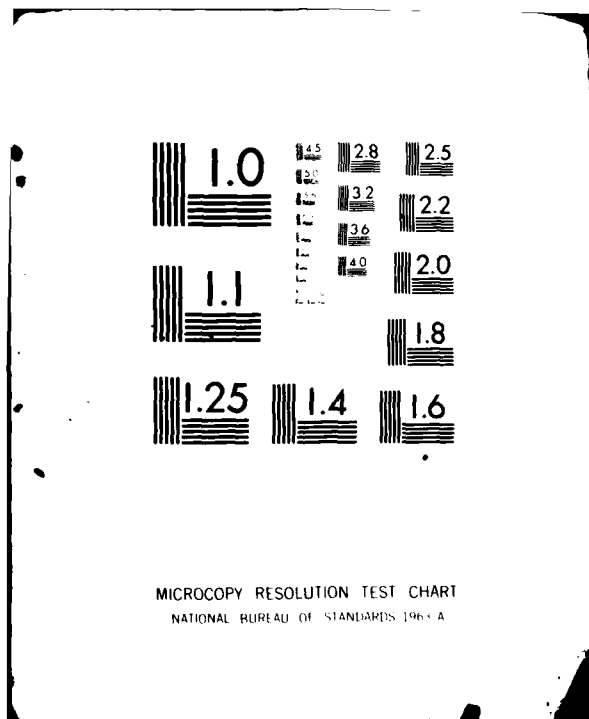
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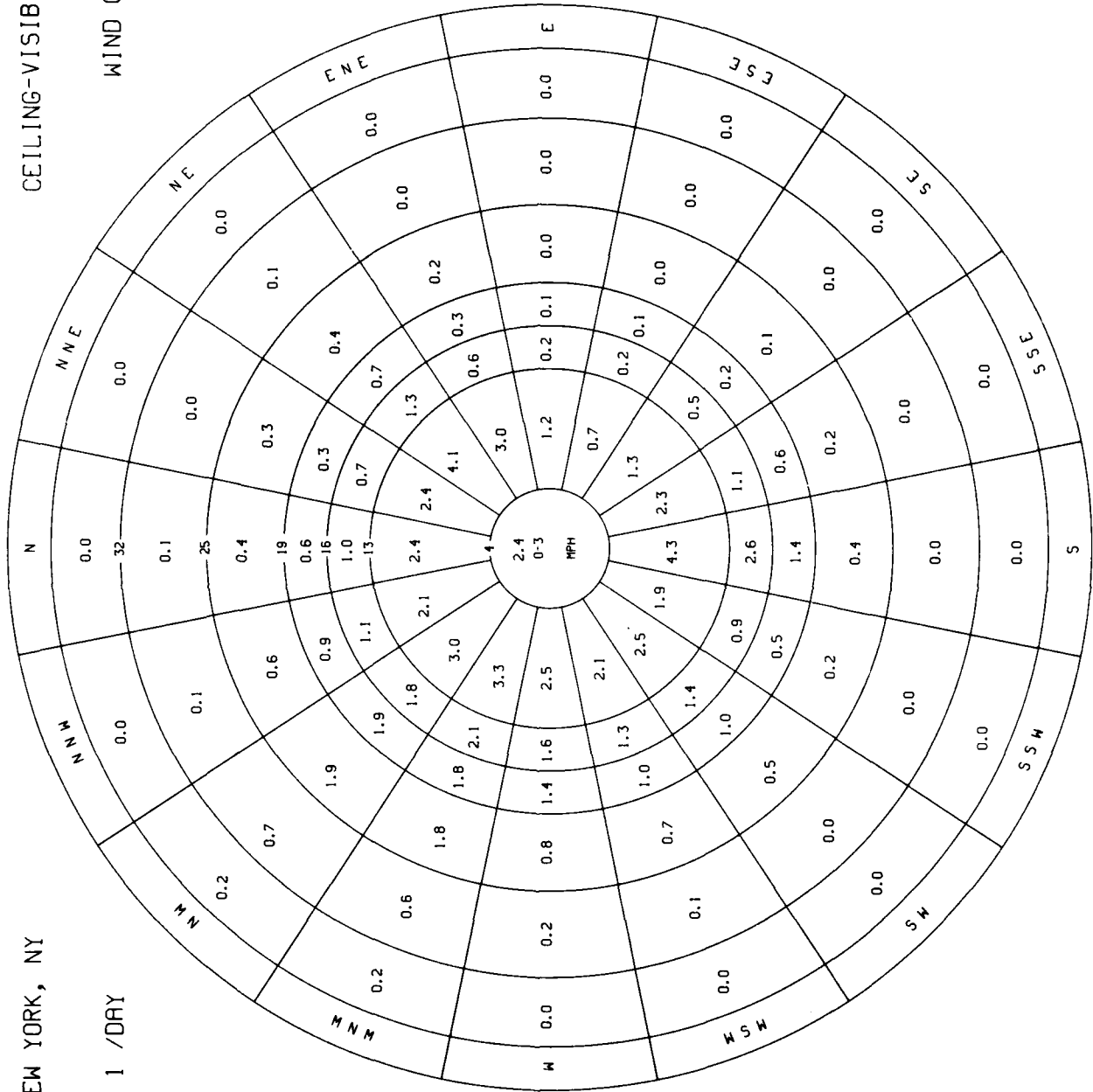


CEILING-VISIBILITY

WIND GRAPH

LGA NEW YORK, NY

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LGA NEW YORK, NY

PERIOD: 1949-1978

CLASS 1 / DAY

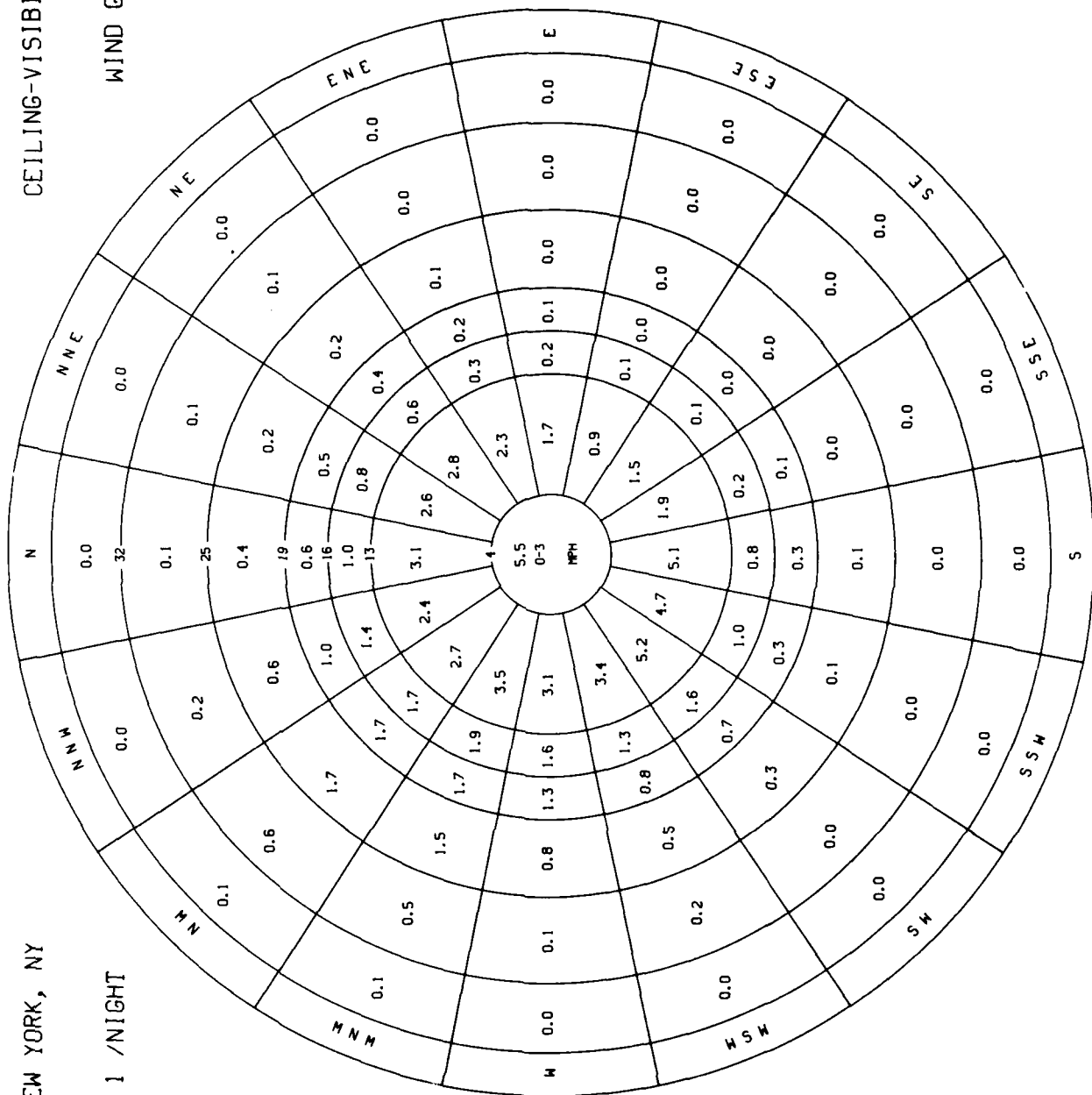
STATION NUMBER: 14732

NO. OBS.: 41202

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.2	.2	2.4	2.8	1.0	1.2	.6	.8	.4	.5	.1	.1	.0	.0	4.7	5.6	12.6	
NNE	.2	.2	2.4	2.9	.7	.8	.3	.4	.3	.3	.0	.0	.0	.0	3.9	4.7	11.0	
NE	.3	.3	4.1	4.9	1.3	1.5	.7	.8	.4	.5	.1	.1	.0	.0	6.9	8.2	11.2	
ENE	.1	.2	3.0	3.6	.6	.7	.3	.3	.2	.2	.0	.0	.0	.0	4.3	5.1	10.3	
E	.1	.1	1.2	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.7	2.0	9.1	
ESE	.1	.1	.7	.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.0	1.2	10.2	
SE	.1	.1	1.3	1.5	.5	.5	.2	.2	.1	.1	.0	.0	.0	.0	2.1	2.5	11.2	
SSE	.1	.1	2.3	2.7	1.1	1.3	.6	.7	.2	.3	.0	.0	.0	.0	4.3	5.1	12.2	
S	.1	.2	4.3	5.1	2.6	3.1	1.4	1.7	.4	.5	.0	.0	.0	.0	8.9	10.7	12.6	
SSW	.1	.1	1.9	2.2	.9	1.1	.5	.5	.2	.2	.0	.0	.0	.0	3.5	4.2	11.8	
SW	.1	.1	2.5	3.0	1.4	1.6	1.0	1.2	.5	.6	.0	.0	.0	.0	5.5	6.6	13.0	
WSW	.1	.1	2.1	2.5	1.3	1.5	1.0	1.2	.7	.8	.1	.2	.0	.0	5.3	6.4	14.0	
W	.1	.1	2.5	3.0	1.6	2.0	1.4	1.7	.8	.9	.2	.2	.0	.0	6.7	8.0	13.9	
WNW	.1	.2	3.3	4.0	2.1	2.5	1.8	2.2	1.8	2.2	.6	.8	.2	.2	10.0	12.0	15.4	
NW	.1	.2	3.0	3.6	1.8	2.1	1.9	2.2	1.9	2.2	.7	.8	.2	.2	9.5	11.4	15.7	
NNW	.1	.1	2.1	2.6	1.1	1.3	.9	1.0	.6	.7	.1	.1	.0	.0	4.9	5.9	13.4	
CALM	.4	.4													.4	.4		
TOTAL	2.4	2.9	39.1	46.8	18.1	21.7	12.8	15.3	8.6	10.3	2.1	2.6	.5	.6	83.6	100	13.0	

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LGA NEW YORK, NY

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 14732

NO. OBS.: 32760

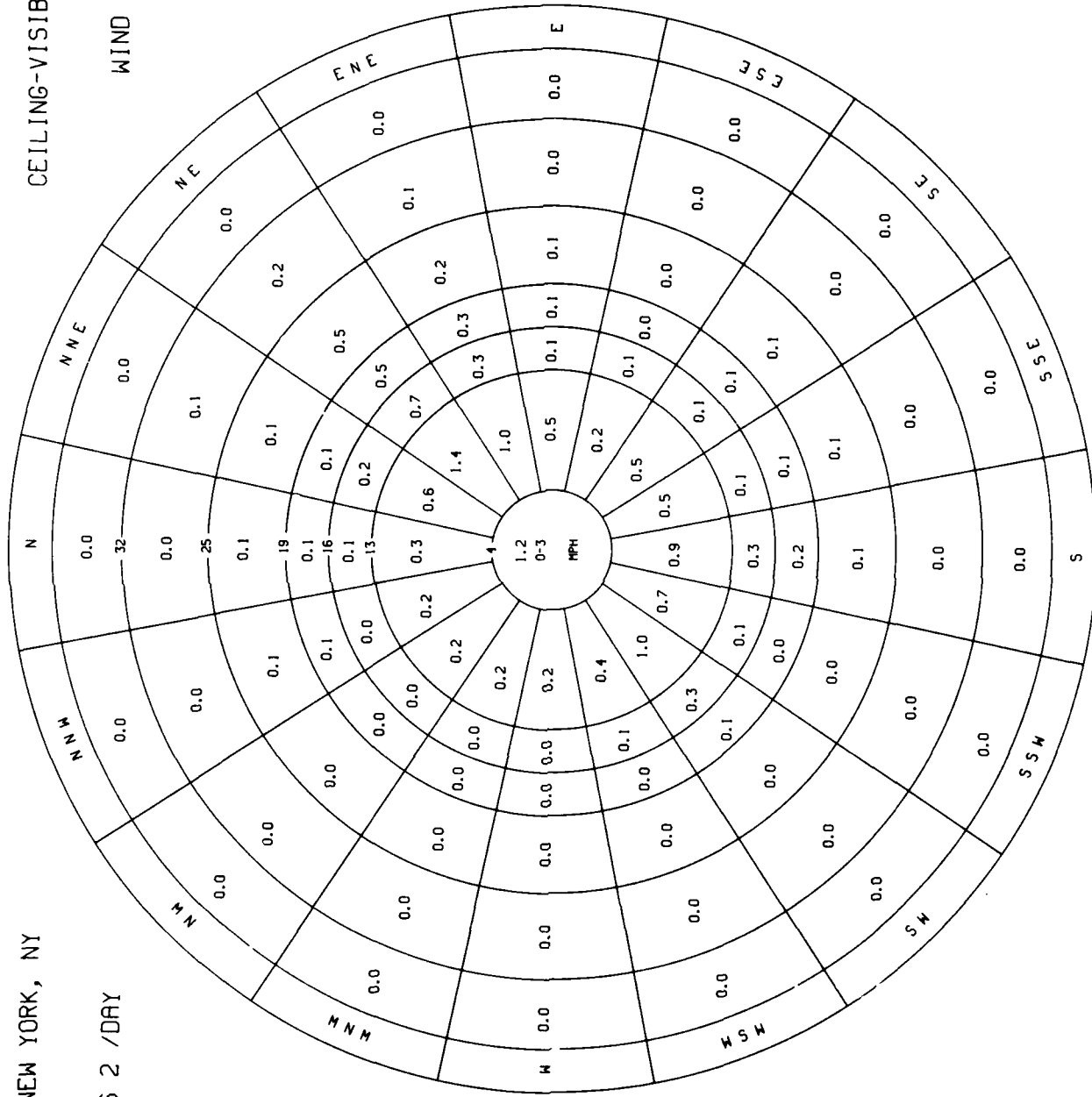
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	.2	3.1	3.6	1.0	1.2	.6	.7	.4	.4	.1	.1	.0	.0	5.3 6.2 11.7
NNE	.2	.3	2.6	3.0	.8	1.0	.5	.5	.2	.3	.1	.1	.0	.0	4.4 5.2 11.2
NE	.3	.4	2.8	3.3	.6	.7	.4	.4	.2	.2	.1	.1	.0	.0	4.4 5.1 10.3
ENE	.3	.3	2.3	2.6	.3	.4	.2	.3	.1	.2	.0	.0	.0	.0	3.2 3.8 9.4
E	.3	.3	1.7	2.0	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	2.3 2.7 8.4
ESE	.2	.2	.9	1.1	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.2 1.4 8.1
SE	.3	.4	1.5	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0 2.3 7.7
SSE	.3	.3	1.9	2.2	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.5 2.9 8.3
S	.5	.6	5.1	5.9	.8	.9	.3	.3	.1	.1	.0	.0	.0	.0	6.7 7.8 9.0
SSW	.4	.5	4.7	5.5	1.0	1.1	.3	.4	.1	.1	.0	.0	.0	.0	6.5 7.6 9.5
SW	.4	.5	5.2	6.1	1.6	1.8	.7	.9	.3	.4	.0	.0	.0	.0	8.3 9.8 10.7
WSW	.2	.3	3.4	3.9	1.3	1.5	.8	.9	.5	.6	.2	.2	.0	.0	6.3 7.4 12.2
W	.2	.3	3.1	3.7	1.6	1.8	1.3	1.5	.8	.9	.1	.2	.0	.0	7.1 8.3 13.0
WNW	.2	.2	3.5	4.1	1.9	2.2	1.7	2.0	1.5	1.7	.5	.6	.1	.1	9.5 11.1 14.7
NW	.1	.2	2.7	3.2	1.7	1.9	1.7	2.0	1.7	2.0	.6	.7	.1	.2	8.8 10.2 15.7
NNW	.1	.2	2.4	2.8	1.4	1.6	1.0	1.1	.6	.8	.2	.2	.0	.0	5.8 6.7 13.5
CALM	1.2	1.4													1.2 1.4
TOTAL	5.5	6.4	46.8	54.8	14.5	16.9	9.7	11.4	6.6	7.8	1.9	2.3	.4	.4	85.5 100 11.6

LGA NEW YORK, NY

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LGA NEW YORK, NY

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 14732

NO. OBS.: 8111

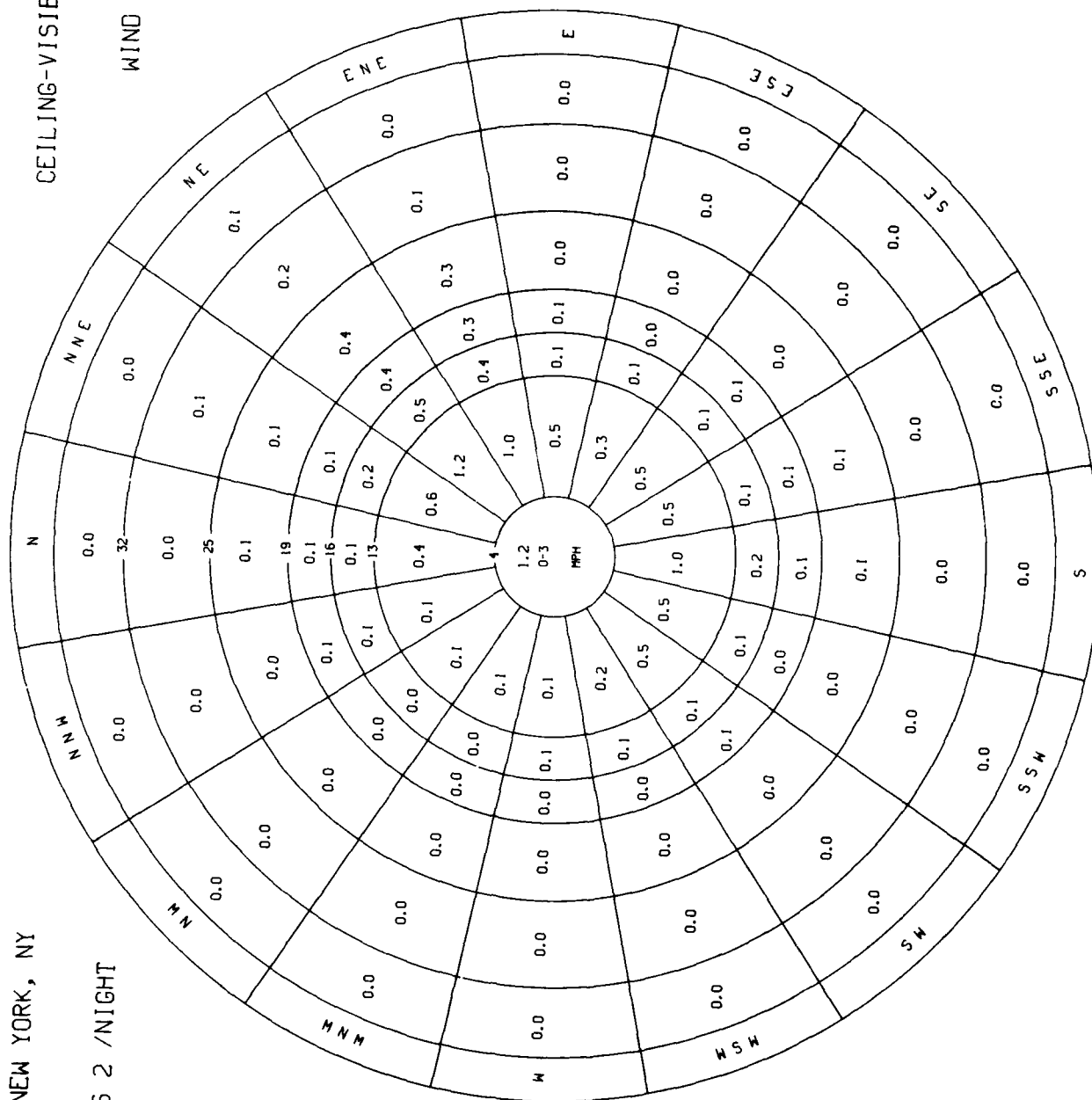
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.3	.3	2.0	.1	.6	.1	.4	.1	.3	.0	.2	.0	.1	.7	4.0	12.4
NNE	.1	.5	.6	3.4	.2	1.1	.1	.9	.1	.4	.1	.3	.0	.1	1.1	6.6	12.1
NE	.1	.8	1.4	8.8	.7	4.1	.5	3.3	.5	3.0	.2	1.0	.0	.3	3.5	21.4	13.9
ENE	.1	.5	1.0	6.0	.3	2.1	.3	2.0	.2	1.4	.1	.6	.0	.1	2.1	12.6	13.0
E	.1	.3	.5	3.0	.1	.7	.1	.3	.1	.4	.0	.1	.0	.0	.8	4.9	11.0
ESE	.0	.2	.2	1.4	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.4	2.4	10.6
SE	.0	.3	.5	2.9	.1	.5	.1	.3	.1	.3	.0	.1	.0	.1	.7	4.5	11.2
SSE	.1	.3	.5	2.8	.1	.9	.1	.5	.1	.4	.0	.2	.0	.0	.8	5.1	11.7
S	.1	.4	.9	5.7	.3	1.5	.2	1.2	.1	.6	.0	.1	.0	.1	1.6	9.6	11.5
SSW	.1	.4	.7	4.0	.1	.7	.0	.3	.0	.2	.0	.0	.0	.0	.9	5.6	9.5
SW	.1	.4	1.0	6.3	.3	1.6	.1	.6	.0	.3	.0	.0	.0	.0	1.5	9.2	10.5
WSW	.0	.3	.4	2.3	.1	.6	.0	.3	.0	.2	.0	.0	.0	.0	.6	3.6	10.2
W	.0	.2	.2	1.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.1	9.7
WNW	.0	.3	.2	1.5	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.4	2.6	10.7
NW	.0	.3	.2	1.0	.0	.2	.0	.2	.0	.3	.0	.1	.0	.0	.3	2.0	11.6
NNW	.0	.3	.2	1.0	.0	.3	.1	.4	.1	.3	.0	.1	.0	.0	.4	2.4	12.5
CALM	.2	1.3													.2	1.3	
TOTAL	1.2	7.1	8.8	53.5	2.6	15.9	1.8	11.1	1.4	8.6	.5	2.9	.1	.8	16.4	100	11.8

LGA NEW YORK, NY

CLASS 2 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LGA NEW YORK, NY

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 14732

NO. OBS.: 5571

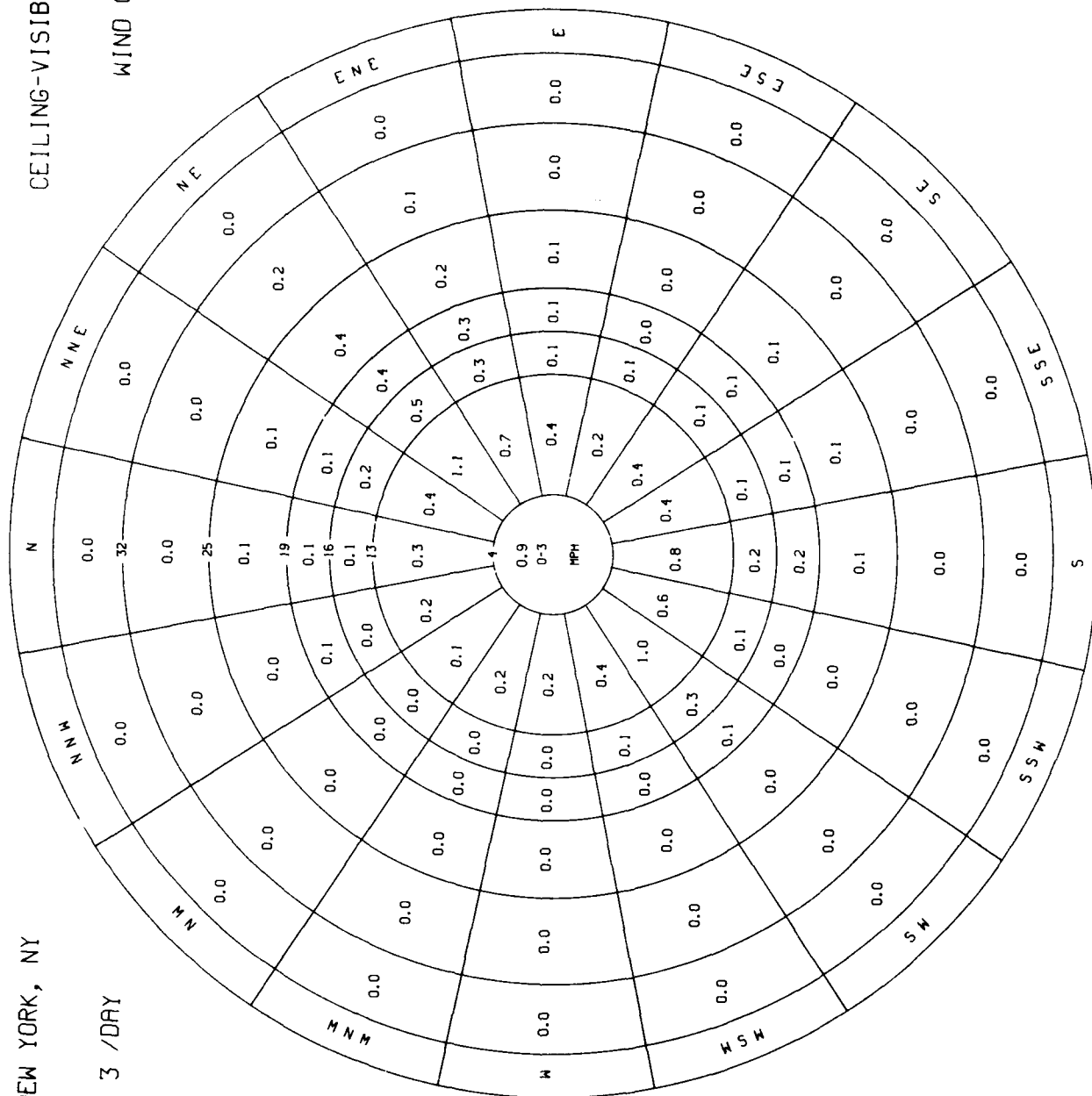
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.4	2.5	.1	1.0	.1	.8	.1	.5	.0	.2	.0	.1	.8 5.3
NNE	.1	.4	.6	3.9	.2	1.4	.1	.9	.1	.9	.1	.5	.0	.1	1.2 8.2
NE	.1	.6	1.2	8.3	.5	3.7	.4	2.6	.4	2.4	.2	1.1	.1	.4	2.8 19.2
ENE	.1	.6	1.0	6.7	.4	2.6	.3	1.9	.3	1.9	.1	.8	.0	.1	2.1 14.6
E	.1	.5	.5	3.6	.1	.8	.1	.5	.0	.3	.0	.1	.0	.0	.9 5.9
ESE	.0	.2	.3	1.9	.1	.4	.0	.3	.0	.2	.0	.1	.0	.0	.4 3.1
SE	.1	.6	.5	3.3	.1	.4	.1	.4	.0	.3	.0	.1	.0	.0	.7 5.1
SSE	.1	.5	.5	3.6	.1	.6	.1	.6	.1	.4	.0	.1	.0	.0	.8 5.8
S	.1	.6	1.0	6.6	.2	1.6	.1	1.0	.1	.7	.0	.1	.0	.0	1.5 10.7
SSW	.1	.5	.5	3.3	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.7 4.8
SW	.1	.6	.5	3.4	.1	.8	.1	.4	.0	.1	.0	.0	.0	.0	.8 5.3
WSW	.0	.2	.2	1.7	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.4 2.6
W	.0	.3	.1	1.0	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3 1.8
WNW	.0	.1	.1	.9	.0	.3	.0	.2	.0	.1	.0	.1	.0	.0	.2 1.7
NW	.0	.2	.1	.8	.0	.3	.0	.2	.0	.2	.0	.2	.0	.0	.3 1.8
NNW	.0	.1	.1	1.0	.1	.4	.1	.4	.0	.3	.0	.2	.0	.1	.3 2.4
CALM	.3	1.9													.3 1.9
TOTAL	1.2	8.1	7.6	52.6	2.2	15.5	1.5	10.6	1.3	8.7	.5	3.5	.1	.9	14.5 100
															11.7

LGA NEW YORK, NY

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LGA NEW YORK, NY

PERIOD: 1949-1978

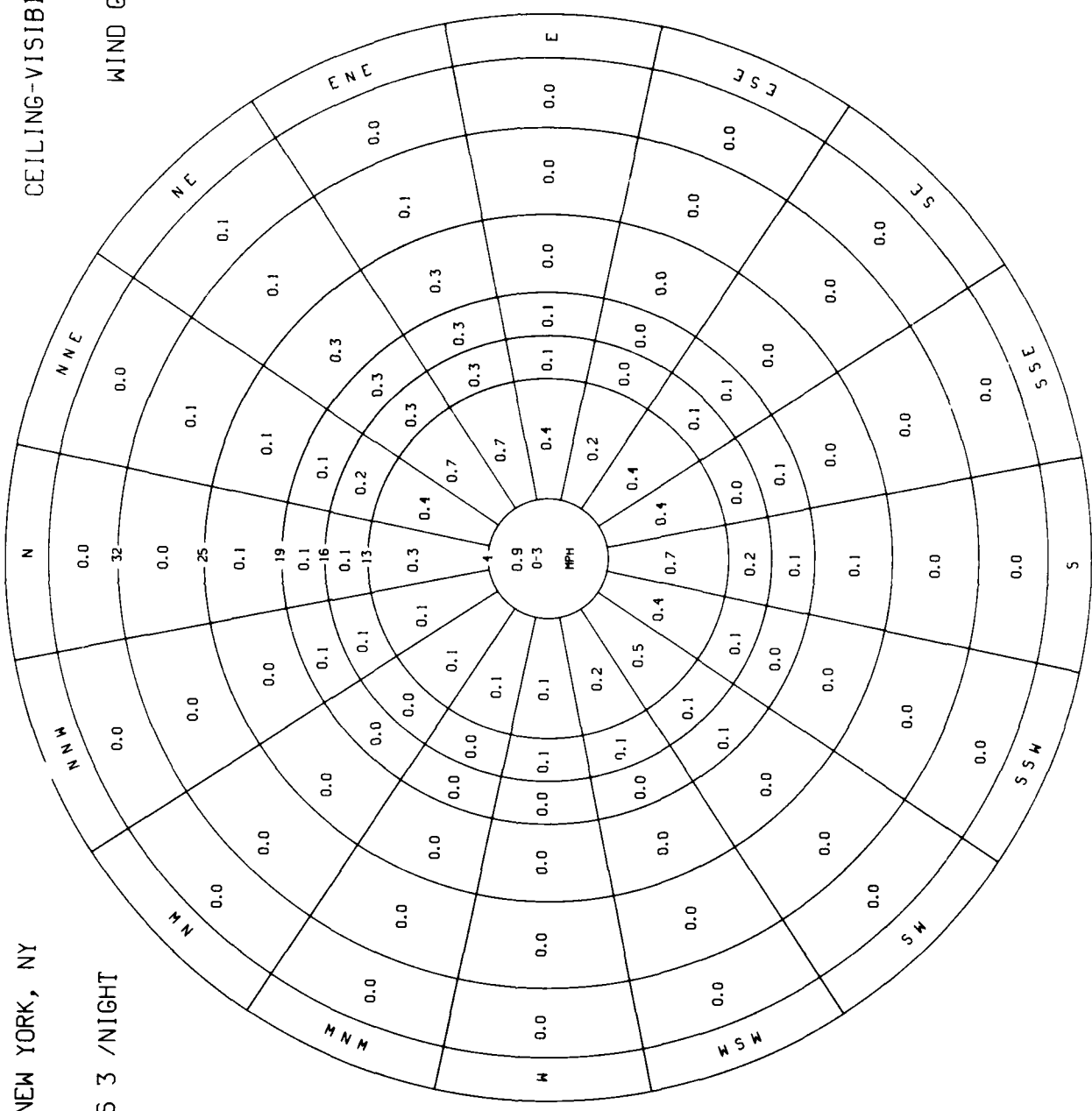
CLASS 3 / DAY

STATION NUMBER: 14732

NO. OBS.: 6915

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.3	2.1	.1	.7	.1	.4	.1	.4	.0	.1	.0	.1	.6 4.0
NNE	.1	.4	.4	3.1	.2	1.1	.1	.8	.1	.4	.0	.2	.0	.0	.8 6.0
NE	.1	.6	1.1	7.6	.5	3.5	.4	2.9	.4	2.7	.2	1.1	.0	.2	2.6 18.6
ENE	.1	.4	.7	5.3	.3	2.0	.3	2.0	.2	1.6	.1	.6	.0	.1	1.7 11.9
E	.0	.3	.4	3.0	.1	.8	.1	.4	.1	.4	.0	.1	.0	.1	.7 5.0
ESE	.0	.3	.2	1.5	.1	.4	.0	.2	.0	.1	.0	.1	.0	.0	.4 2.6
SE	.0	.2	.4	3.1	.1	.6	.1	.4	.1	.4	.0	.1	.0	.1	.7 4.8
SSE	.0	.3	.4	2.9	.1	.9	.1	.5	.1	.5	.0	.2	.0	.0	.7 5.3
S	.1	.4	.8	5.9	.2	1.7	.2	1.2	.1	.6	.0	.1	.0	.1	1.4 9.9
SSW	.1	.5	.6	4.5	.1	.8	.0	.3	.0	.2	.0	.0	.0	.0	.9 6.3
SW	.1	.4	1.0	7.2	.3	1.8	.1	.7	.0	.3	.0	.1	.0	.0	1.5 10.4
WSW	.0	.3	.4	2.6	.1	.7	.0	.3	.0	.2	.0	.0	.0	.0	.6 4.2
W	.0	.2	.2	1.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.3
WNW	.0	.3	.2	1.7	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.4 2.8
NW	.0	.3	.1	1.0	.0	.2	.0	.3	.0	.2	.0	.1	.0	.0	.3 2.1
NNW	.0	.3	.2	1.2	.0	.3	.1	.4	.0	.3	.0	.1	.0	.0	.4 2.5
CALM	.2	1.2													.2 1.2
TOTAL	.9	6.7	7.6	54.0	2.2	16.0	1.5	11.0	1.2	8.7	.4	2.9	.1	.7	14.0 100

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LGA NEW YORK, NY

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 14732

NO. OBS.: 4487

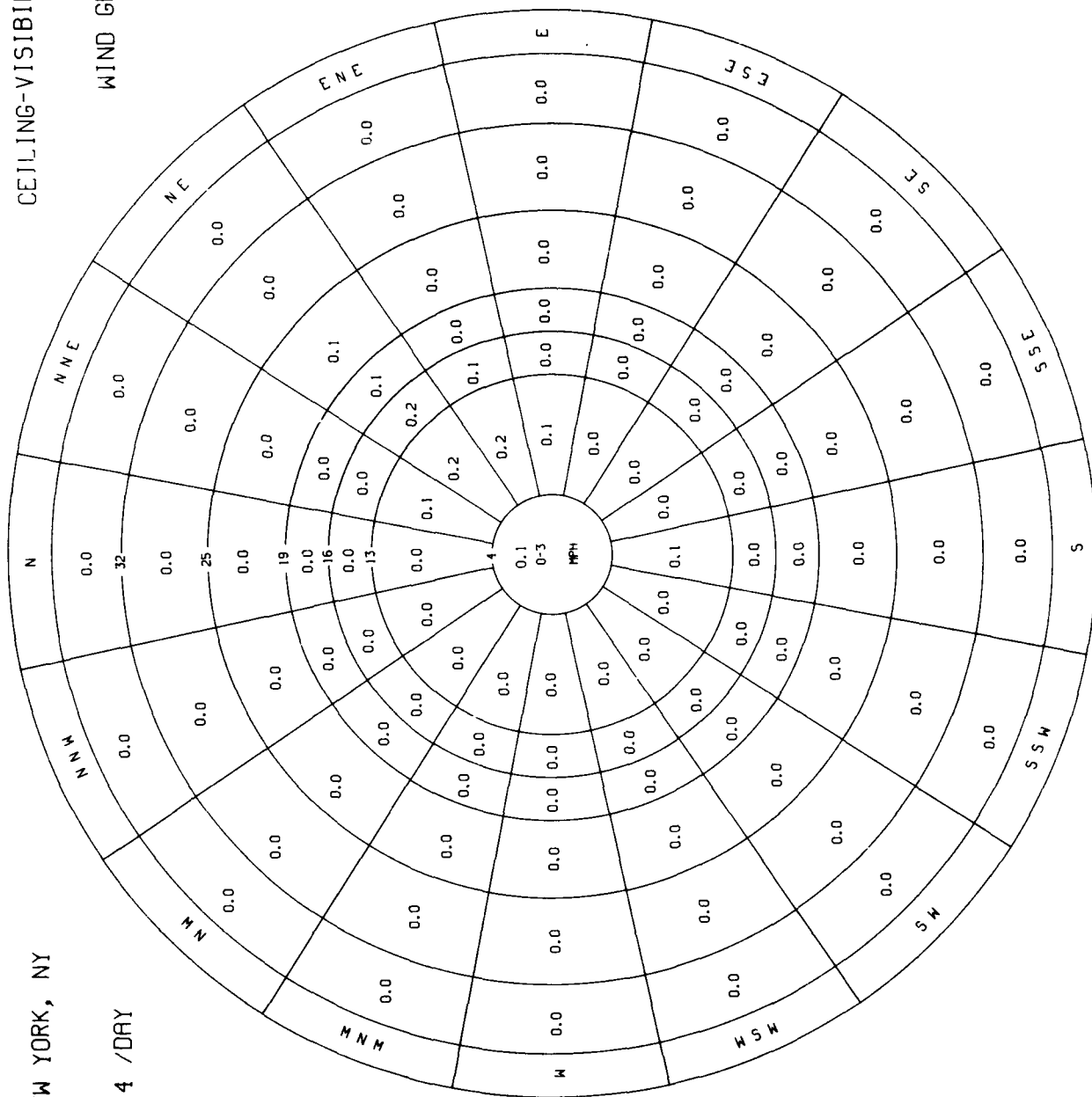
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
																C	D
N	.0	.2	.3	2.6	.1	1.2	.1	.8	.1	.5	.0	.2	.0	.0	.6	5.5	12.9
NNE	.0	.4	.4	3.5	.2	1.4	.1	.9	.1	1.0	.1	.5	.0	.0	.9	7.7	13.4
NE	.1	.6	.7	6.4	.3	2.7	.3	2.4	.3	2.7	.1	1.2	.1	.5	1.9	16.3	14.9
ENE	.1	.4	.7	6.0	.3	2.7	.3	2.2	.3	2.2	.1	.9	.0	.1	1.7	14.5	14.0
E	.1	.4	.4	3.7	.1	.9	.1	.6	.0	.4	.0	.1	.0	.0	.7	6.2	10.9
ESE	.0	.2	.2	1.9	.0	.4	.0	.4	.0	.2	.0	.1	.0	.0	.4	3.2	11.4
SE	.1	.5	.4	3.4	.1	.5	.1	.4	.0	.3	.0	.1	.0	.0	.6	5.2	10.0
SSE	.1	.5	.4	3.5	.0	.4	.1	.6	.0	.4	.0	.2	.0	.0	.7	5.6	10.4
S	.1	.6	.7	6.3	.2	1.6	.1	1.0	.1	.7	.0	.1	.0	.0	1.2	10.4	10.9
SSW	.1	.6	.4	3.6	.1	.7	.0	.3	.0	.2	.0	.0	.0	.0	.6	5.3	9.1
SW	.1	.7	.5	3.9	.1	.9	.1	.5	.0	.2	.0	.0	.0	.0	.7	6.1	9.8
WSW	.0	.2	.2	2.0	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.4	3.2	10.4
W	.0	.3	.1	1.2	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3	2.2	10.0
WNW	.0	.1	.1	1.1	.0	.3	.0	.3	.0	.2	.0	.1	.0	.0	.2	2.0	11.7
NW	.0	.2	.1	.9	.0	.3	.0	.2	.0	.3	.0	.2	.0	.0	.2	2.0	13.1
NNW	.0	.1	.1	1.2	.1	.4	.1	.4	.0	.4	.0	.2	.0	.1	.3	2.8	14.1
CALM	.2	1.7												.2	1.7		
TOTAL	.9	7.8	6.0	51.1	1.8	15.6	1.3	11.3	1.1	9.6	.4	3.8	.1	.9	11.7	100	12.0

CEILING-VISIBILITY

WIND GRAPH

LGA NEW YORK, NY

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LGA NEW YORK, NY

PERIOD: 1949-1978

CLASS 4 / DAY

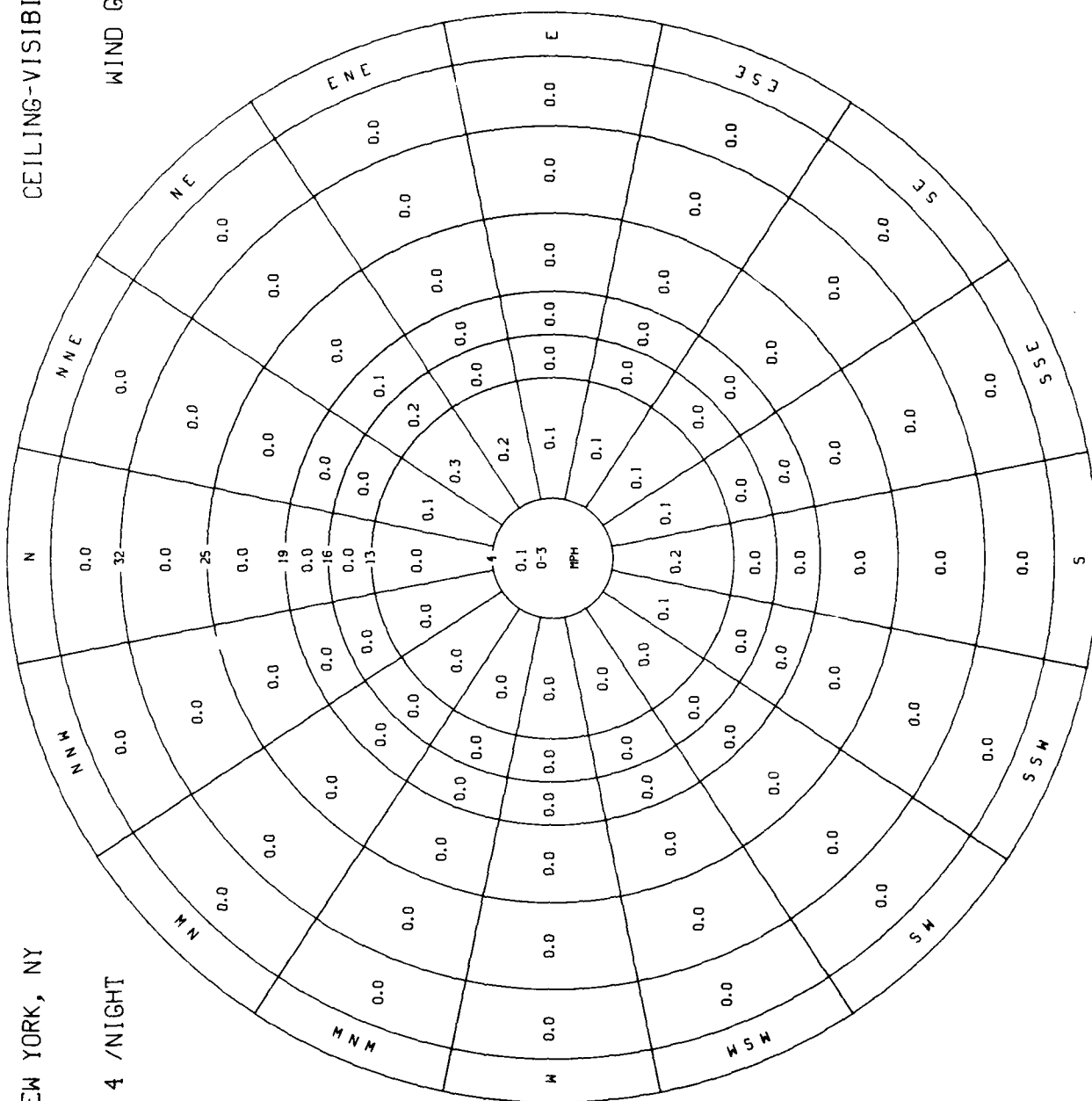
STATION NUMBER: 14732

NO. OBS.: 866

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.6	.0	2.0	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	.1	3.3	9.8
NNE	.0	.7	.1	4.6	.0	1.3	.0	1.2	.0	.8	.0	.6	.0	.5	.2	9.6	13.7
NE	.0	1.2	.2	13.9	.2	8.7	.1	6.6	.1	5.2	.0	.5	.0	.5	.6	36.4	13.8
ENE	.0	.8	.2	8.8	.1	2.9	.0	2.5	.0	.6	.0	.5	.0	.0	.3	16.1	11.7
E	.0	.3	.1	3.8	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	4.5	8.0
ESE	.0	.1	.0	.9	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.3	8.8
SE	.0	.6	.0	2.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.0	6.3
SSE	.0	.5	.0	2.8	.0	.5	.0	.6	.0	.3	.0	.1	.0	.0	.1	4.7	10.4
S	.0	.6	.1	4.7	.0	.8	.0	1.4	.0	.8	.0	.1	.0	.0	.1	8.4	11.4
SSW	.0	.3	.0	1.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	2.3	9.1
SW	.0	.5	.0	1.5	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	2.3	8.2
WSW	.0	.2	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.6
W	.0	.1	.0	.5	.0	.3	.0	.0	.0	.1	.0	.1	.0	.0	.0	1.2	12.0
WNW	.0	.0	.0	.3	.0	.1	.0	.2	.0	.3	.0	.0	.0	.1	.0	1.2	17.6
NW	.0	.0	.0	.7	.0	.1	.0	.2	.0	.2	.0	.3	.0	.0	.0	1.6	16.6
NNW	.0	.2	.0	.3	.0	.3	.0	.3	.0	.2	.0	.1	.0	.3	.0	2.0	17.6
CALM	.0	1.4													.0	1.4	
TOTAL	1	8.1	.9	49.1	.3	16.4	.2	13.5	.2	9.1	.0	2.4	.0	1.4	1.8	100	12.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LGA NEW YORK, NY

PERIOD: 1949-1978

CLASS 4 / NIGHT

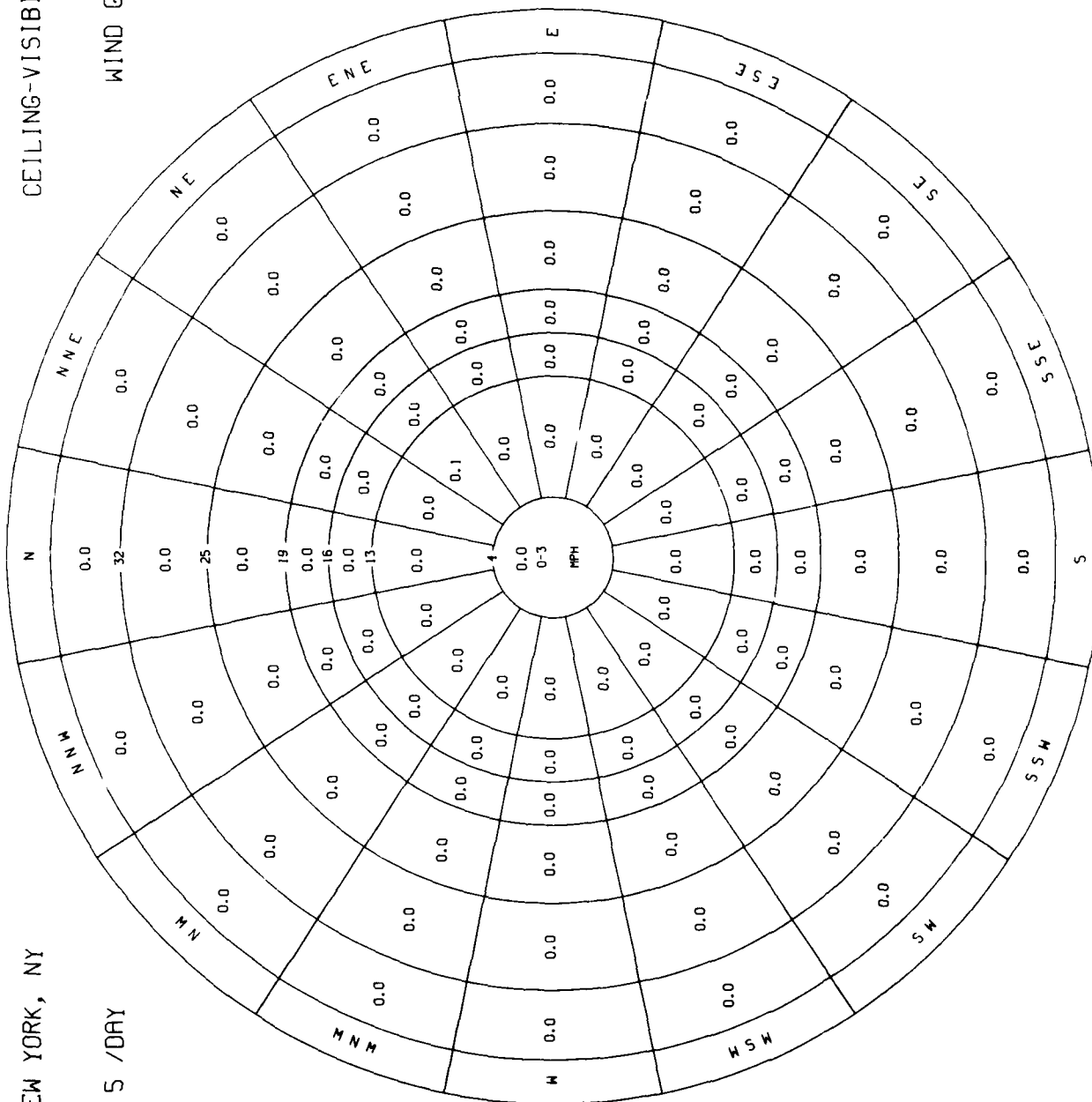
STATION NUMBER: 14732

NO. OBS.: 778

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.1	.0	2.2	.0	.4	.0	.8	.0	.6	.0	.5	.0	.1	.1 4.8
NNE	.0	.4	.1	4.8	.0	1.3	.0	1.2	.0	.5	.0	.6	.0	.1	.2 8.9
NE	.0	.4	.3	13.5	.2	9.3	.1	3.9	.0	1.9	.0	1.0	.0	.1	.6 30.1
ENE	.0	.6	.2	8.9	.0	2.2	.0	1.3	.0	1.2	.0	.1	.0	.0	.3 14.3
E	.0	.4	.1	3.7	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1 4.6
ESE	.0	.1	.1	2.6	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.1 3.1
SE	.0	.5	.1	3.2	.0	.1	.0	.0	.0	.3	.0	.0	.0	.0	.1 4.1
SSE	.0	.6	.1	4.4	.0	1.2	.0	.4	.0	.6	.0	.0	.0	.0	.1 7.2
S	.0	.1	.2	9.0	.0	2.2	.0	1.0	.0	1.0	.0	.1	.0	.1	.3 13.6
SSW	.0	.1	.1	2.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 3.0
SW	.0	.3	.0	1.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0 1.8
WSW	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
W	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
WNW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
NW	.0	.0	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0 .6
NNW	.0	.3	.0	.1	.0	.0	.0	.0	.0	.1	.0	.4	.0	.0	.0 .9
CALM	.0	1.9													.0 1.9
TOTAL	.1	6.0	1.2	57.5	.4	17.6	.2	9.0	.1	6.6	.1	2.8	.0	.5	2.0 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: LGA NEW YORK, NY

CLASS 5 / DAY

NO. OBS.: 177

STATION NUMBER: 14732

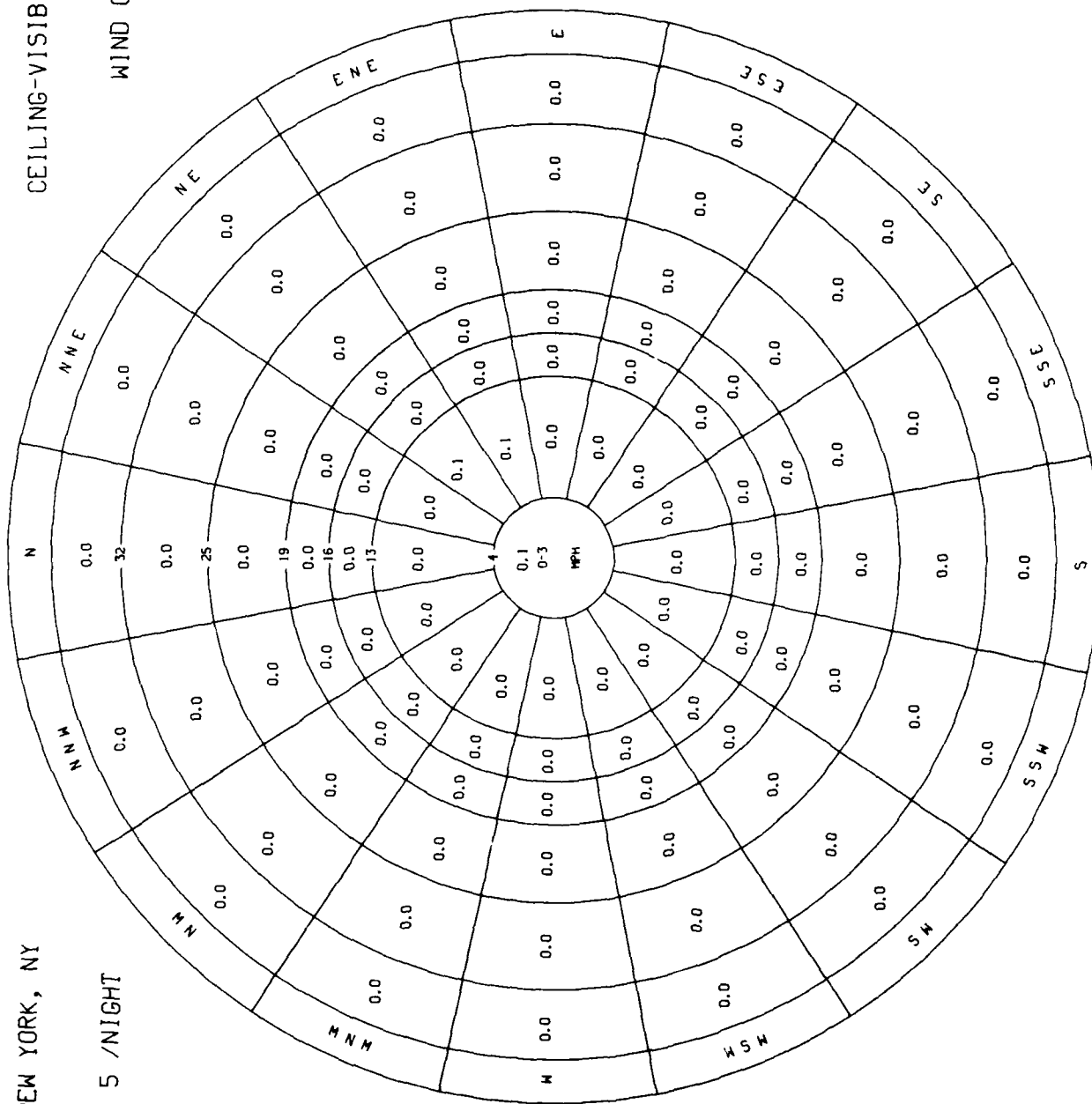
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.6	.0	1.1	.0	.0	.0	.0	.0	.6	.0	1.1	.0	.0	.0 3.4
NNE	.0	.0	.0	5.1	.0	1.7	.0	2.3	.0	.0	.0	1.7	.0	1.1	.0 11.9
NNE	.0	2.3	.1	18.1	.0	7.9	.0	4.5	.0	2.3	.0	1.7	.0	2.3	.1 39.0
ENE	.0	1.1	.0	11.9	.0	2.8	.0	.6	.0	.0	.0	1.1	.0	.0	.1 17.5
E	.0	1.1	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
ESE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
SSE	.0	.6	.0	1.1	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0 2.8
S	.0	.6	.0	5.1	.0	.6	.0	.6	.0	.6	.0	.0	.0	.0	.0 7.3
SSW	.0	.0	.0	1.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SW	.0	.0	.0	2.3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.4
WSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NW	.0	.0	.0	.6	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0 1.7
NNW	.0	.6	.0	1.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
CALM	.0	1.7													.0 1.7
TOTAL	.0	8.5	.2	53.1	.1	15.8	.0	8.5	.0	5.1	.0	5.6	.0	3.4	.4 100

LGA NEW YORK, NY

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LGA NEW YORK, NY

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 14732

NO. OBS.: 129

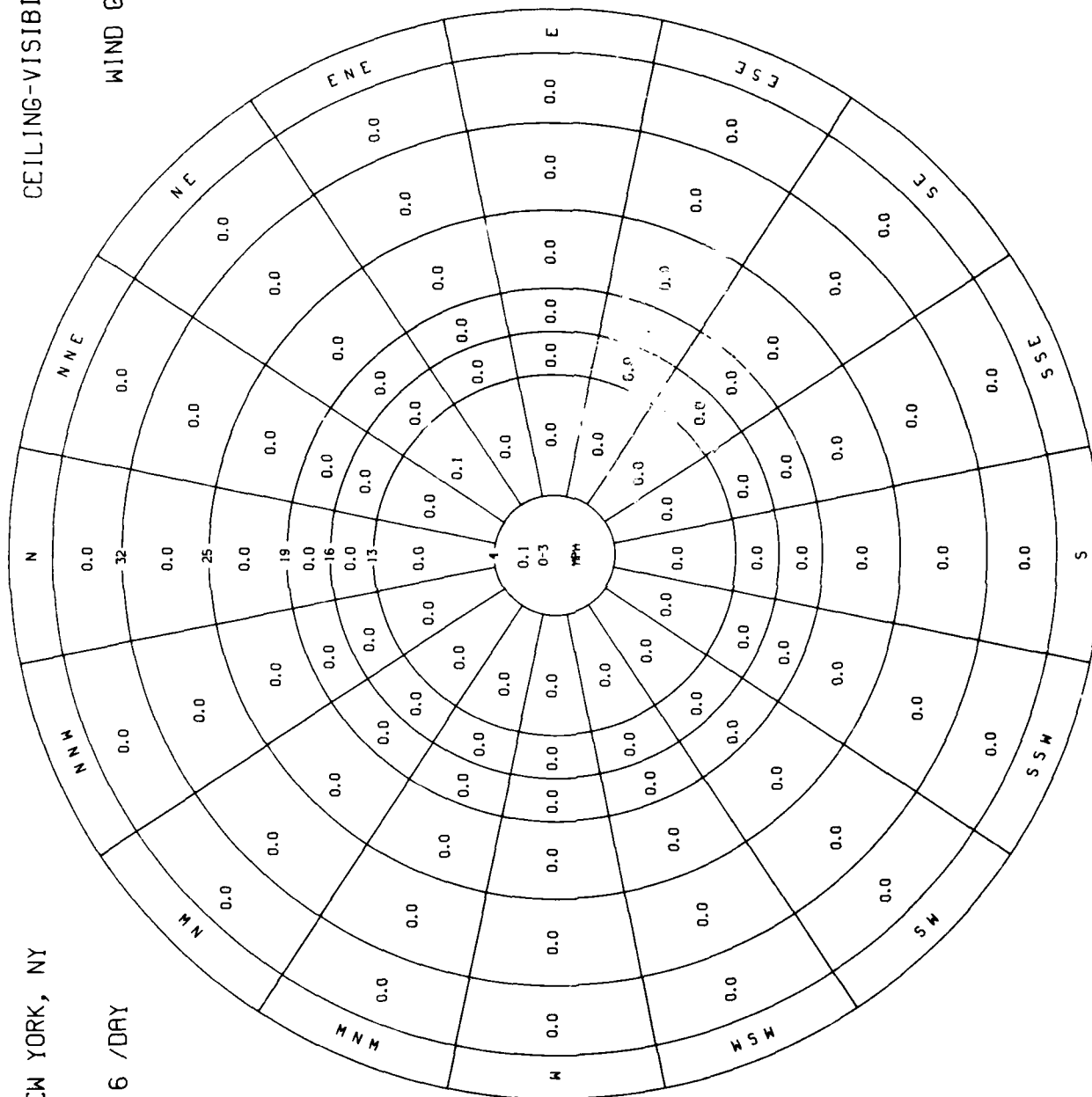
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0 3.7
NNE	.0	2.1	.0	7.9	.0	1.6	.0	1.6	.0	.0	.0	1.1	.0	1.6	.1 15.9
NE	.0	1.6	.1	19.0	.0	4.8	.0	3.2	.0	.5	.0	1.1	.0	.0	.1 30.2
ENE	.0	1.1	.1	12.2	.0	2.1	.0	.0	.0	.5	.0	.0	.0	1.1	.1 16.9
E	.0	1.1	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
ESE	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
SE	.0	.5	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.2
SSE	.0	1.1	.0	2.6	.0	2.1	.0	.5	.0	.0	.0	.0	.0	.0	.0 6.3
S	.0	1.1	.0	6.3	.0	.5	.0	1.1	.0	.5	.0	.5	.0	.0	.0 10.1
SSW	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
SW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
WNW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
NW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0 1.1
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
CALM	.0	3.2													.0 3.2
TOTAL	.1	14.3	.3	60.3	.1	11.1	.0	6.3	.0	1.6	.0	3.2	.0	3.2	.5 10.0

CEILING-VISIBILITY

WIND GRAPH

LGA NEW YORK, NY

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LGA NEW YORK, NY

PERIOD: 1949-1978

CLASS 6 / DAY

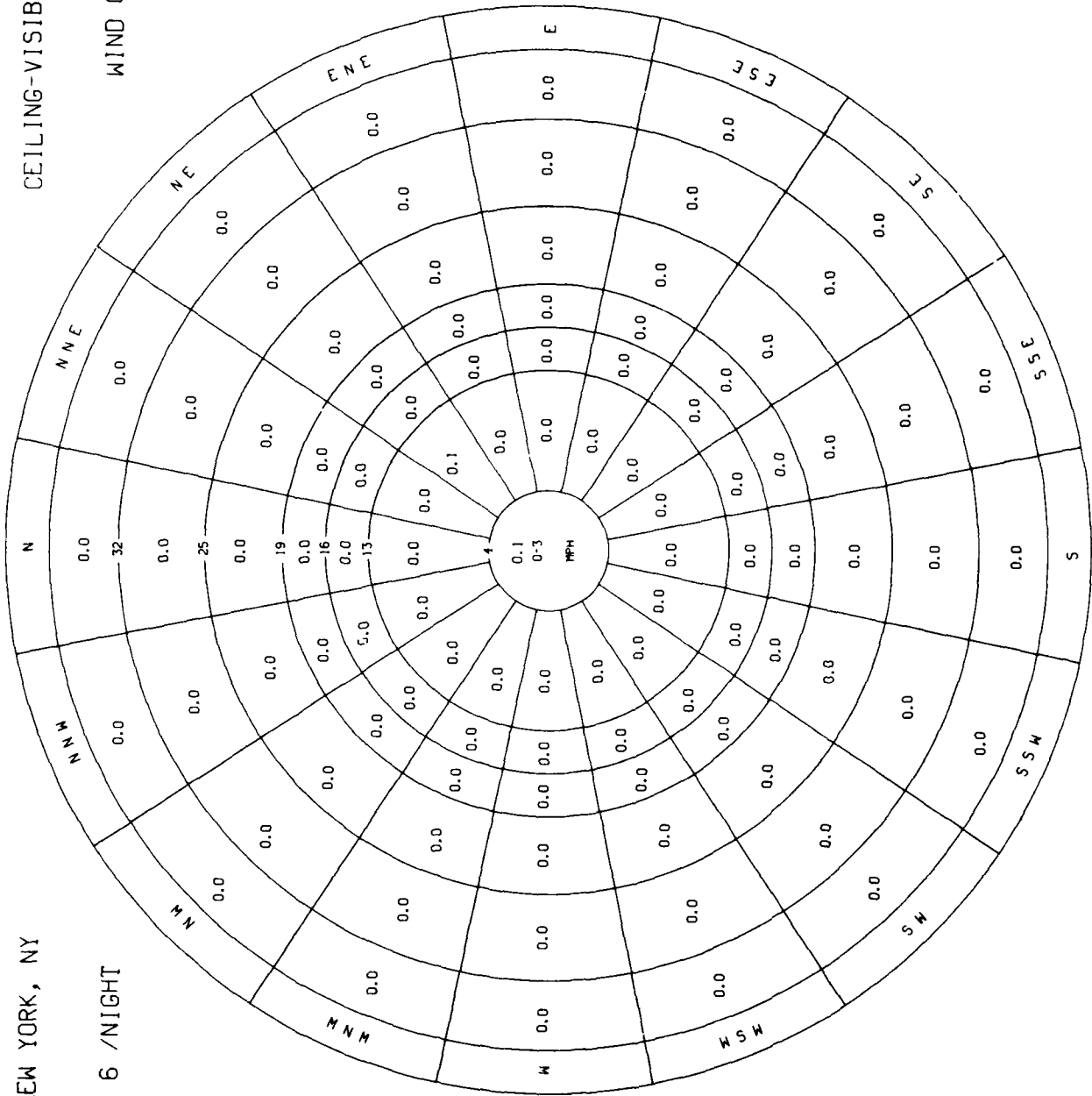
STATION NUMBER: 14732

NO. OBS.: 153

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.0	.0	1.3	.0	.7	.0	.0	.0	.7	.0	1.3	.0	.7	.0	4.6	20.3
NNE	.0	2.6	.0	5.2	.0	1.3	.0	1.3	.0	.7	.0	.7	.0	.0	.0	11.8	9.8
NE	.0	6.5	.1	24.2	.0	3.9	.0	2.6	.0	1.3	.0	.7	.0	.7	.1	39.9	9.7
ENE	.0	3.9	.0	13.1	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	18.3	7.1
E	.0	2.0	.0	2.6	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	5.2	6.9
ESE	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.0
SE	.0	.7	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	6.4
SSE	.0	.0	.0	2.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	10.3
S	.0	.0	.0	2.0	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	3.3	12.8
SSW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	10.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	.0	2.0	21.0
NW	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.7	.0	.0	.0	1.3	24.0
CALM	.0	5.2						.0	4.6	.0	4.6	.0	3.3	.0	2.0	3	9.3
TOTAL	1	22.2	.2	54.9	.0	8.5	.0	4.6	.0	4.6	.0	3.3	.0	2.0	.3	100	

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LGA NEW YORK, NY

PERIOD: 1949-1978

CLASS 6 / NIGHT

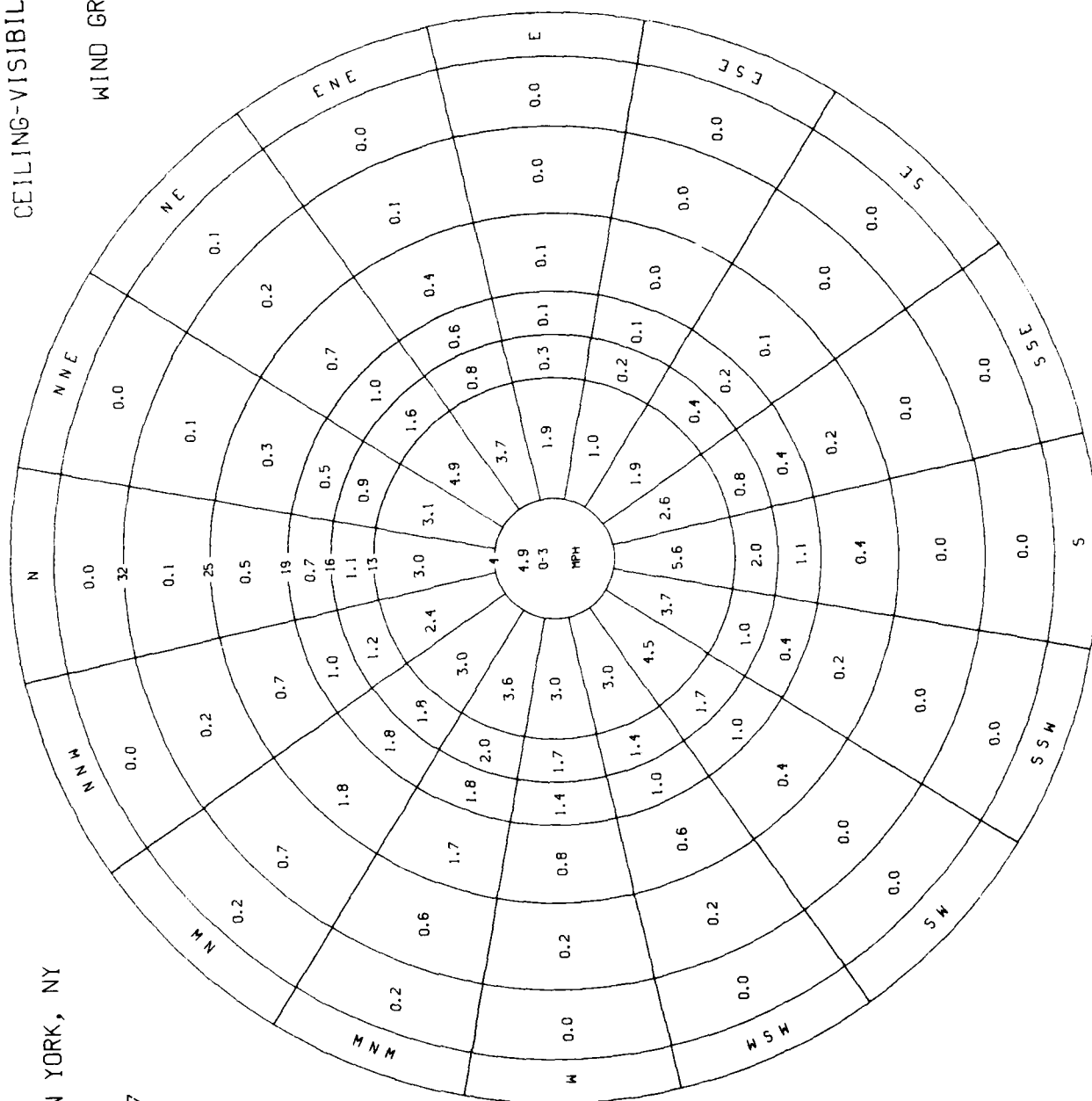
STATION NUMBER: 14732

NO. OBS.: 117

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.4
NNE	.0	1.7	.0	7.7	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0 10.3
NE	.0	.9	.1	33.3	.0	4.3	.0	.9	.0	.0	.0	.0	.0	.0	.1 39.3
ENE	.0	4.3	.0	12.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1 17.1
E	.0	3.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.3
ESE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SE	.0	5.1	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.7
SSE	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
S	.0	.9	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.4
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SW	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
CALM	.0	7.7													.0 7.7
TOTAL	.1	25.6	.2	67.5	.0	5.1	.0	.9	.0	.9	.0	.0	.0	.0	.3 100 6.6

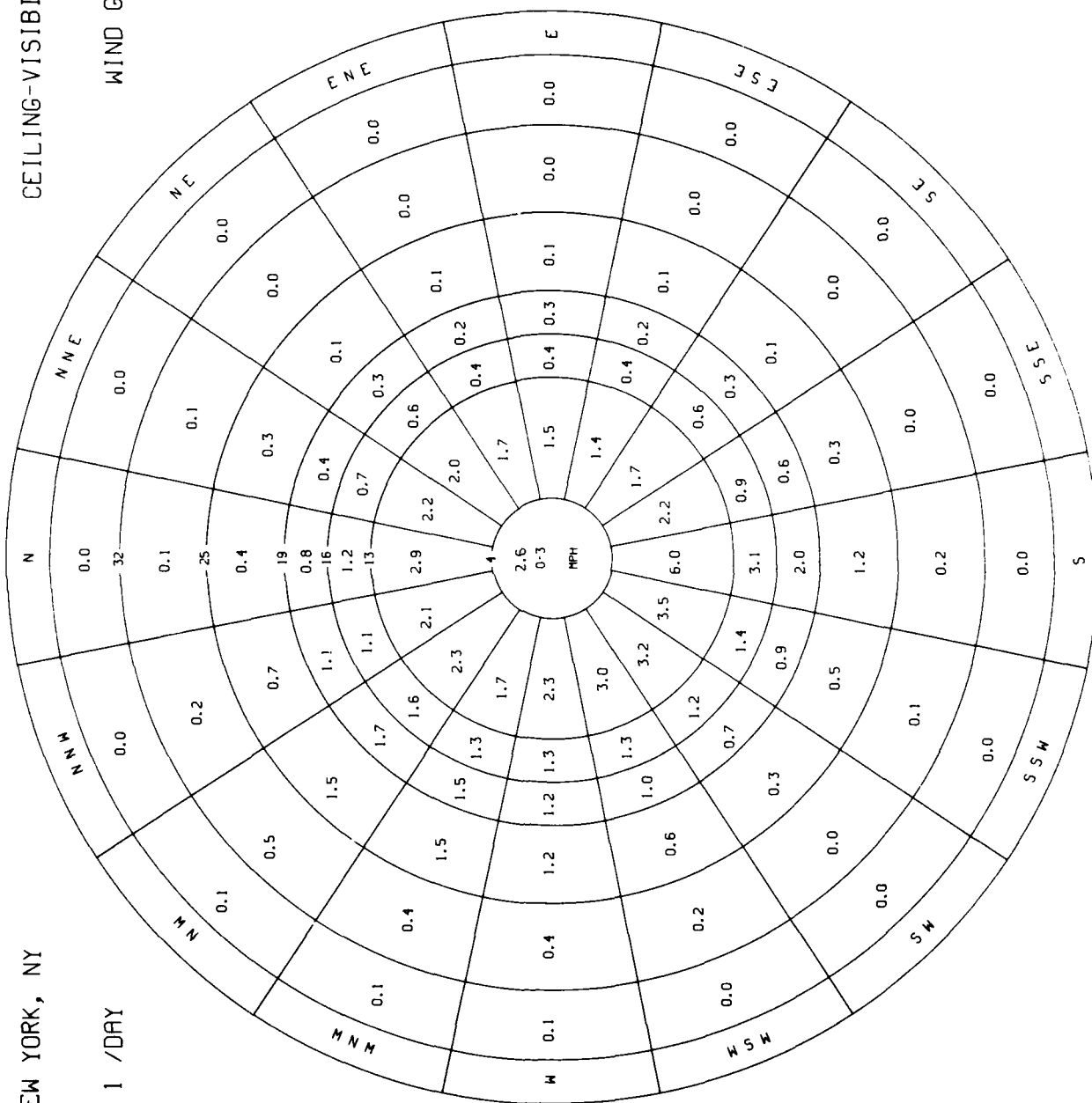
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



JFK NEW YORK, NY

CLASS 1 /DAY

PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JFK NEW YORK, NY

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 94789

NO. OBS.: 41813

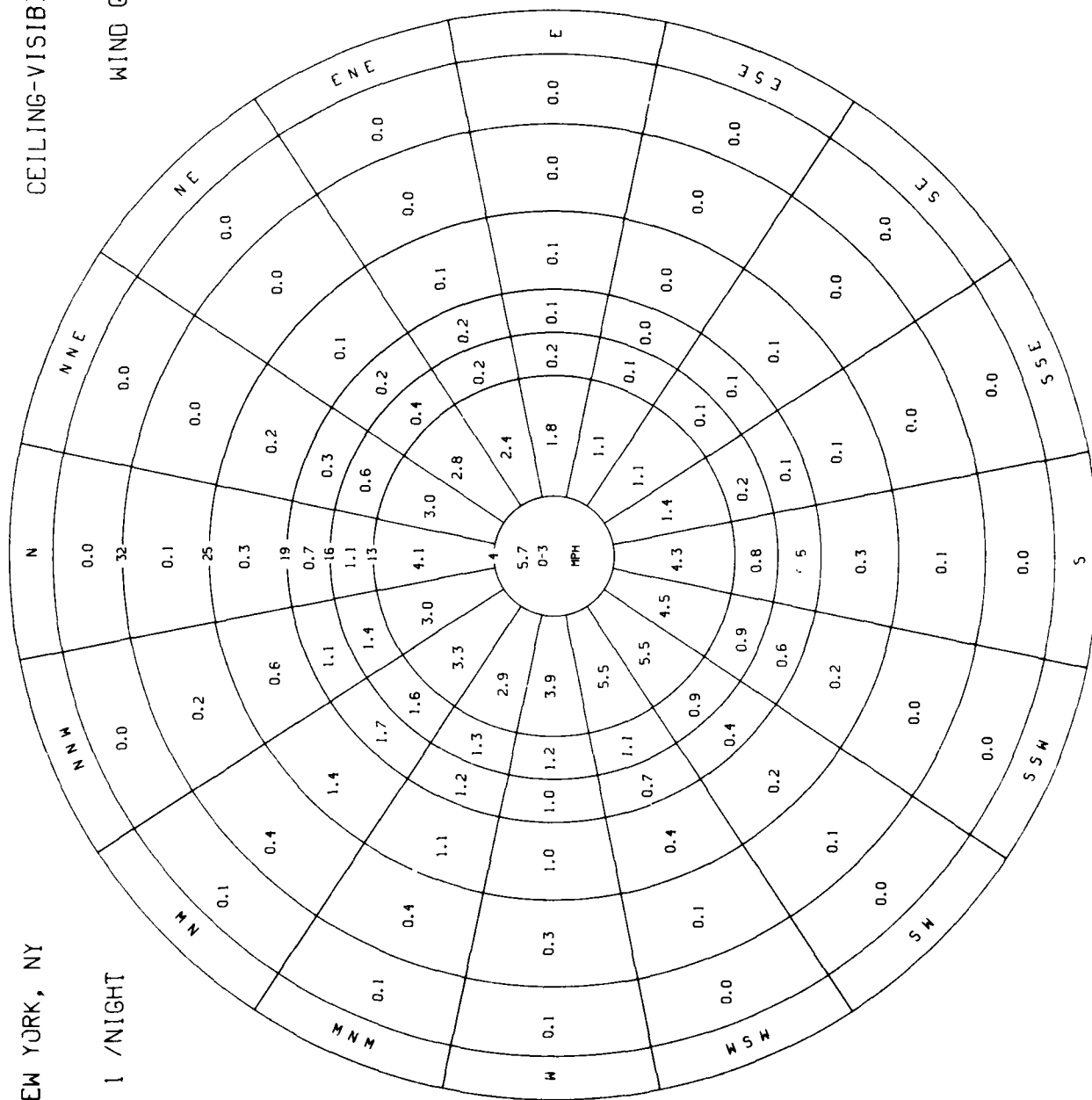
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.2	2.9	3.5	1.2	1.5	.8	1.0	.4	.5	.1	.1	.0	.0	5.7	6.7	12.3
NNE	.1	.2	2.2	2.6	.7	.8	.4	.5	.3	.3	.1	.1	.0	.0	3.8	4.5	11.6
NE	.2	.2	2.0	2.4	.6	.7	.3	.4	.1	.2	.0	.1	.0	.0	3.4	4.0	10.9
ENE	.2	.2	1.7	2.0	.4	.4	.2	.3	.1	.1	.0	.0	.0	.0	2.6	3.1	10.1
E	.2	.2	1.5	1.8	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	2.5	3.0	10.6
ESE	.1	.1	1.4	1.7	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	2.2	2.6	10.8
SE	.1	.1	1.7	2.0	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	2.8	3.3	11.2
SSE	.1	.1	2.2	2.6	.9	1.1	.6	.8	.3	.4	.0	.1	.0	.0	4.2	5.0	12.5
S	.2	.2	6.0	7.1	3.1	3.6	2.0	2.3	1.2	1.4	.2	.3	.0	.0	12.7	15.0	13.1
SSW	.2	.2	3.5	4.2	1.4	1.6	.9	1.0	.5	.6	.1	.1	.0	.0	6.5	7.7	12.2
SW	.2	.2	3.2	3.8	1.2	1.4	.7	.8	.3	.4	.0	.1	.0	.0	5.6	6.6	11.7
WSW	.1	.1	3.0	3.6	1.3	1.6	1.0	1.1	.6	.7	.2	.2	.0	.1	6.2	7.3	13.1
W	.1	.1	2.3	2.7	1.3	1.5	1.2	1.4	1.2	1.4	.4	.5	.1	.1	6.5	7.7	15.2
WNW	.1	.1	1.7	2.0	1.3	1.5	1.5	1.7	1.5	1.8	.4	.5	.1	.1	6.5	7.7	16.3
NW	.1	.1	2.3	2.7	1.6	1.9	1.7	2.1	1.5	1.8	.5	.5	.1	.1	7.8	9.2	15.7
NNW	.1	.1	2.1	2.4	1.1	1.3	1.1	1.3	.7	.8	.2	.2	.0	.0	5.3	6.2	14.1
CALM	.5	.5													.5	.5	
TOTAL	2.6	3.1	39.7	46.8	17.5	20.7	13.2	15.6	9.1	10.7	2.3	2.7	.4	.5	84.8	100	13.0

JFK NEW YORK, NY

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JFK NEW YORK, NY

PERIOD: 1949-1978

CLASS 1 / NIGHT

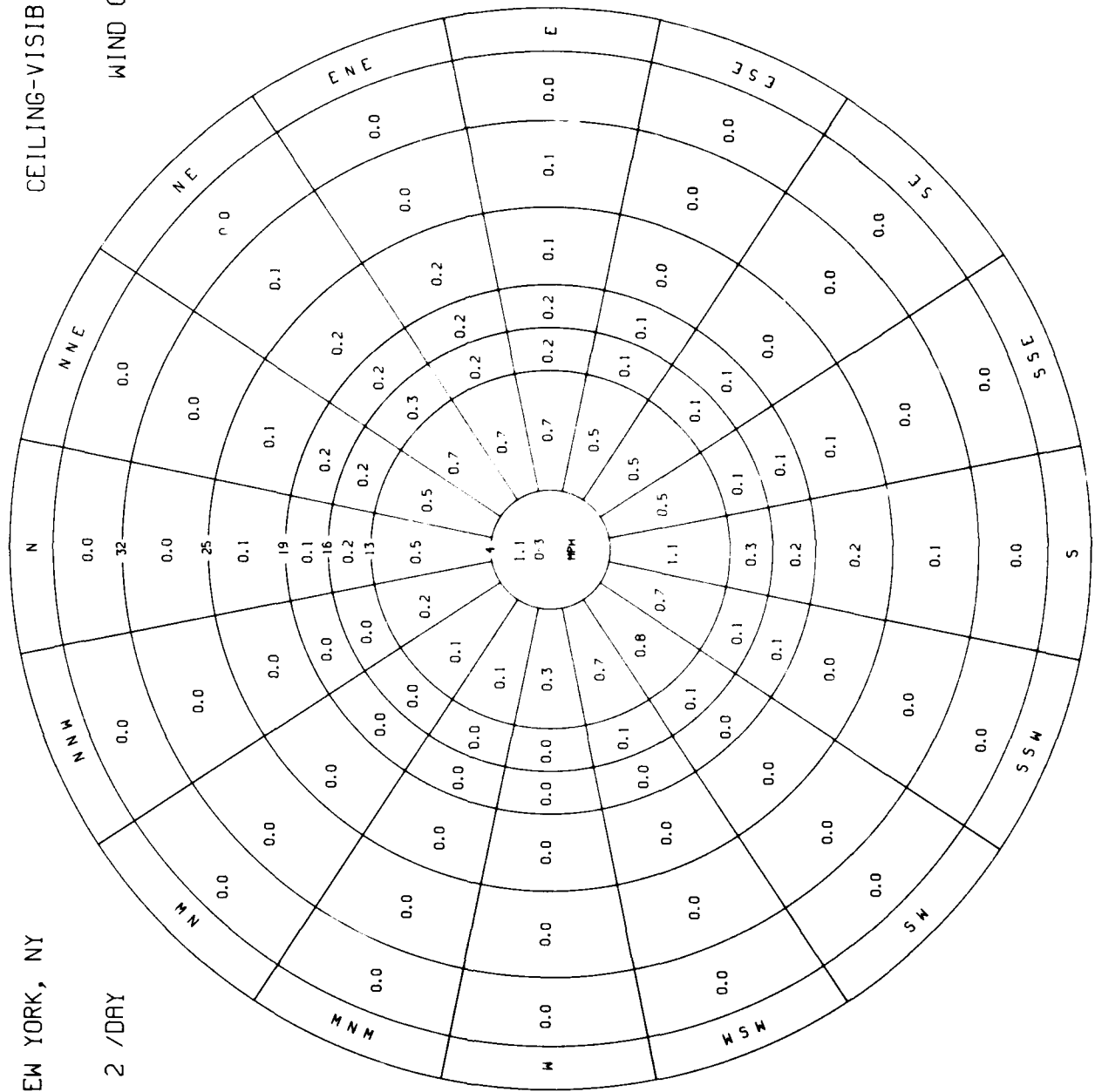
STATION NUMBER: 94789

NO. OBS.: 32818

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.3	.3	4.1	4.8	1.1	1.3	.7	.8	.3	.4	.1	.1	.0	.0	6.6	7.7	11.1
NNE	.3	.3	3.0	3.5	.6	.7	.3	.4	.2	.2	.0	.0	.0	.0	4.4	5.2	9.9
NE	.4	.5	2.8	3.3	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	4.0	4.6	8.7
ENE	.4	.5	2.4	2.8	.2	.3	.2	.2	.1	.1	.0	.0	.0	.0	3.3	3.9	8.1
E	.4	.5	1.8	2.1	.2	.3	.1	.1	.1	.1	.0	.0	.0	.0	2.6	3.1	8.0
ESE	.2	.3	1.1	1.3	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.5	1.8	7.6
SE	.2	.2	1.1	1.3	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.6	1.8	8.8
SSE	.2	.2	1.4	1.7	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.1	2.4	9.6
S	.4	.4	4.3	5.0	.8	.9	.6	.7	.3	.3	.1	.1	.0	.0	6.4	7.5	10.2
SSW	.3	.3	4.5	5.3	.9	1.1	.6	.7	.2	.3	.0	.0	.0	.0	6.6	7.7	10.2
SW	.3	.4	5.5	6.4	.9	1.1	.4	.5	.2	.2	.1	.1	.0	.0	7.3	8.6	9.8
WSW	.3	.4	5.5	6.4	1.1	1.3	.7	.8	.4	.4	.1	.1	.0	.0	8.1	9.5	10.6
W	.2	.3	3.9	4.5	1.2	1.5	1.0	1.2	1.0	1.1	.3	.3	.1	.1	7.7	9.0	12.9
WNW	.2	.3	2.9	3.3	1.3	1.5	1.2	1.5	1.1	1.3	.4	.4	.1	.1	7.2	8.4	14.2
NW	.2	.2	3.3	3.8	1.6	1.9	1.7	2.0	1.4	1.7	.4	.4	.1	.1	8.6	10.1	14.5
NNW	.2	.2	3.0	3.5	1.4	1.6	1.1	1.3	.6	.7	.2	.2	.0	.0	6.5	7.6	12.8
CALM	1.1	1.3													1.1	1.3	
TOTAL	5.7	6.6	50.5	59.0	12.3	14.4	9.1	10.6	6.1	7.1	1.6	1.9	.3	.4	85.6	100	11.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JFK NEW YORK, NY

PERIOD: 1949-1978

CLASS 2 / DAY

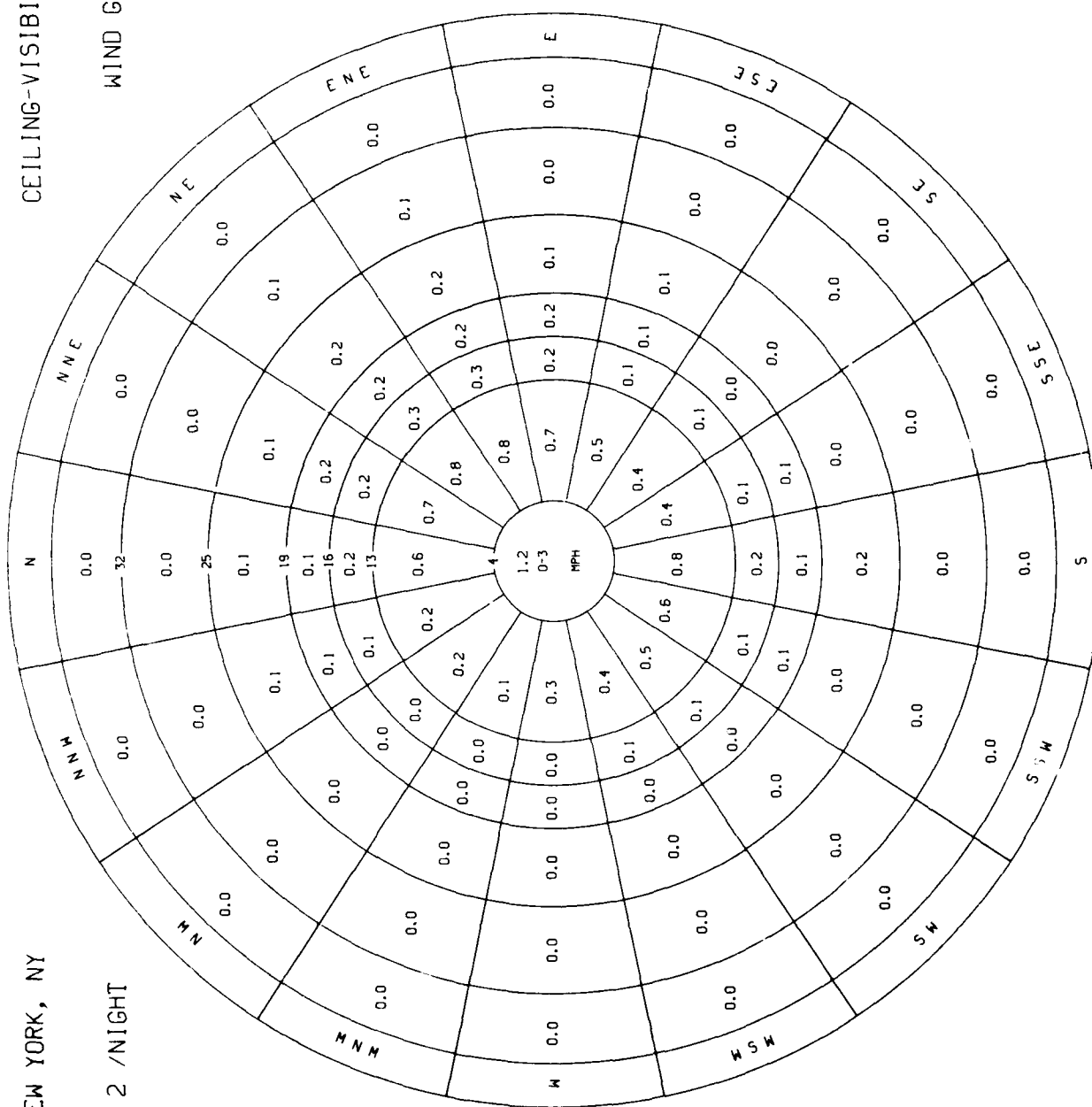
STATION NUMBER: 94789

NO. OBS.: 7504

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.3	.5	3.3	.2	1.2	.1	.7	.1	.5	.0	.2	.0	.0	.9	6.2	12.2
NNE	.1	.4	.5	3.5	.2	1.5	.2	1.2	.1	.9	.0	.3	.0	.1	1.2	7.8	12.9
NE	.1	.4	.7	4.8	.3	1.7	.2	1.3	.2	1.1	.1	.6	.0	.1	1.5	10.0	13.2
ENE	.1	.5	.7	4.6	.2	1.4	.2	1.2	.2	1.2	.0	.3	.0	.1	1.4	9.3	12.8
E	.1	.5	.7	4.7	.2	1.4	.2	1.0	.1	.8	.1	.3	.0	.1	1.3	8.7	12.3
ESE	.0	.3	.5	3.3	.1	.7	.1	.5	.0	.3	.0	.1	.0	.0	.8	5.3	10.8
SE	.1	.4	.5	3.0	.1	.7	.1	.4	.0	.2	.0	.1	.0	.0	.7	4.8	10.6
SSE	.0	.2	.5	3.1	.1	.9	.1	.5	.1	.5	.0	.3	.0	.0	.9	5.7	12.2
S	.1	.4	1.1	7.5	.3	2.3	.2	1.4	.2	1.1	.1	.4	.0	.1	2.0	13.2	12.1
SSW	.1	.4	.7	4.3	.1	.7	.1	.5	.0	.2	.0	.1	.0	.0	.9	6.2	10.1
SW	.1	.5	.8	5.3	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	1.0	6.8	8.7
WSW	.1	.4	.7	4.4	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.9	5.7	9.1
W	.1	.4	.3	1.9	.0	.2	.0	.2	.0	.1	.0	.1	.0	.1	.4	2.9	10.3
WNW	.0	.2	.1	1.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.5	10.1
NW	.0	.1	.1	.9	.0	.3	.0	.3	.0	.2	.0	.1	.0	.0	.3	1.8	11.8
NNW	.0	.2	.2	1.3	.0	.3	.0	.2	.0	.3	.0	.1	.0	.0	.4	2.5	12.1
CALM	.2	1.5													.2	1.5	
TOTAL	1.1	7.1	8.6	56.8	2.2	14.6	1.5	10.1	1.1	7.5	.5	3.0	.1	.8	15.2	100	11.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JFK NEW YORK, NY

PERIOD: 1949-1978

CLASS 2 / NIGHT

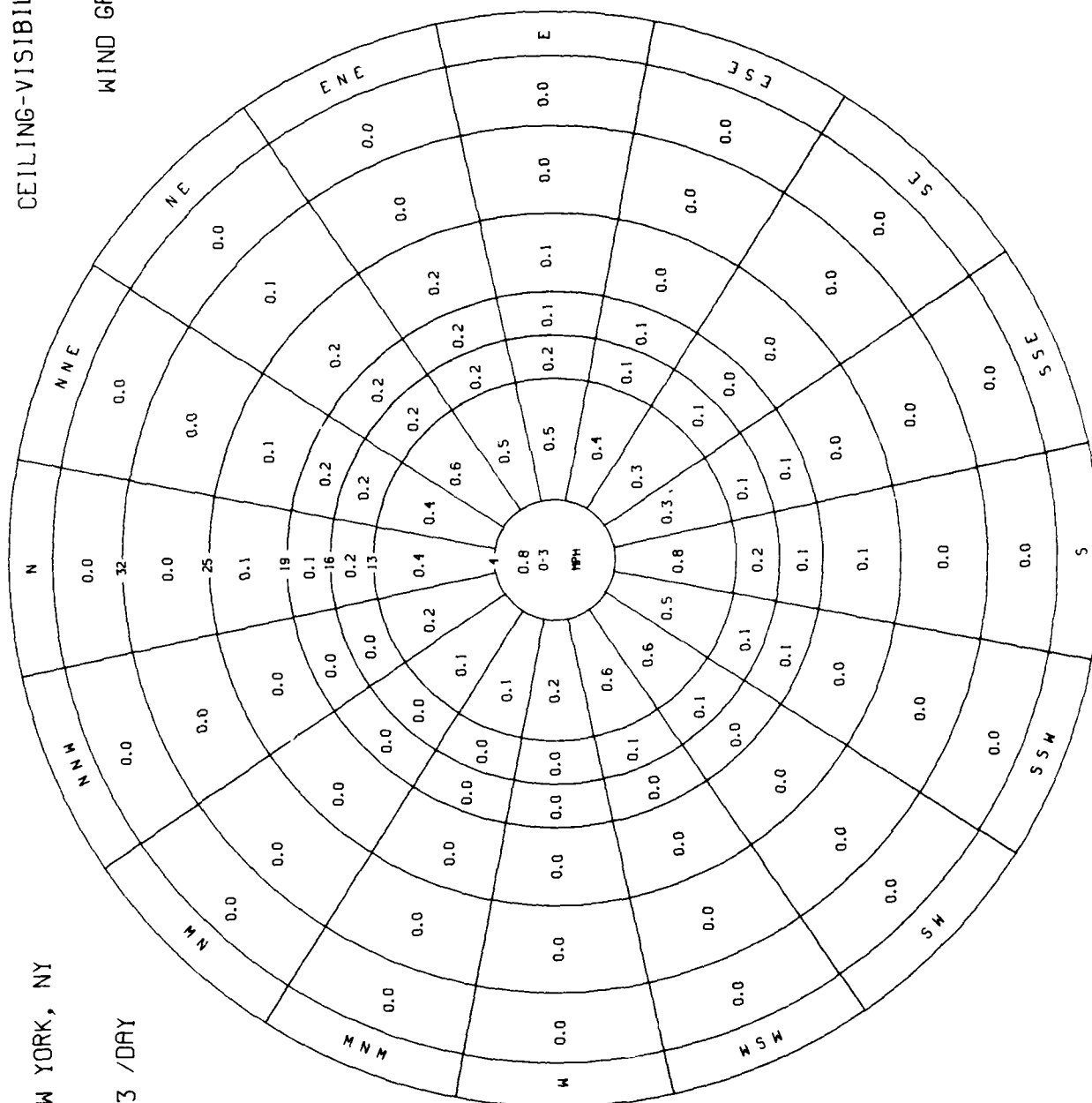
STATION NUMBER: 94789

NO. OBS.: 5520

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.4	.6	4.0	.2	1.4	.1	.8	.1	.6	.0	.2	.0	.1	1.1 7.5
NNE	.1	.5	.7	4.8	.2	1.6	.2	1.2	.1	1.0	.0	.3	.0	.1	1.4 9.6
NE	.1	.5	.8	5.7	.3	2.0	.2	1.6	.2	1.2	.1	.4	.0	.1	1.7 11.6
ENE	.1	.7	.8	5.2	.3	1.9	.2	1.4	.2	1.2	.1	.4	.0	.1	1.6 10.9
E	.1	.7	.7	4.8	.2	1.2	.2	1.1	.1	.6	.0	.3	.0	.1	1.2 8.7
ESE	.1	.5	.5	3.5	.1	.4	.1	.4	.1	.4	.0	.2	.0	.1	.8 5.4
SE	.1	.4	.4	3.0	.1	.4	.0	.3	.0	.3	.0	.2	.0	.0	.7 4.6
SSE	.1	.5	.4	3.1	.1	.6	.1	.5	.0	.3	.0	.2	.0	.0	.8 5.3
S	.1	.5	.8	5.9	.2	1.2	.1	1.0	.2	1.2	.0	.3	.0	.1	1.5 10.3
SSW	.0	.3	.6	4.0	.1	1.0	.1	.4	.0	.3	.0	.1	.0	.1	.9 6.1
SW	.1	.6	.5	3.8	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.7 5.1
WSW	.0	.3	.4	2.8	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5 3.7
W	.0	.3	.3	1.9	.0	.3	.0	.1	.0	.1	.0	.1	.0	.0	.4 2.8
WNW	.0	.2	.1	.9	.0	.2	.0	.1	.0	.1	.0	.1	.0	.0	.2 1.4
NW	.0	.2	.2	1.1	.0	.2	.0	.2	.0	.2	.0	.1	.0	.0	.3 2.0
NNW	.0	.1	.2	1.4	.1	.4	.1	.5	.1	.5	.0	.2	.0	.1	.5 3.2
CALM	.3	1.9													.3 1.9
TOTAL	1.2	8.5	8.1	55.9	2.0	13.6	1.4	9.9	1.2	8.2	.4	3.0	.1	.9	14.4 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JFK NEW YORK, NY

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 94789

NO. OBS.: 5929

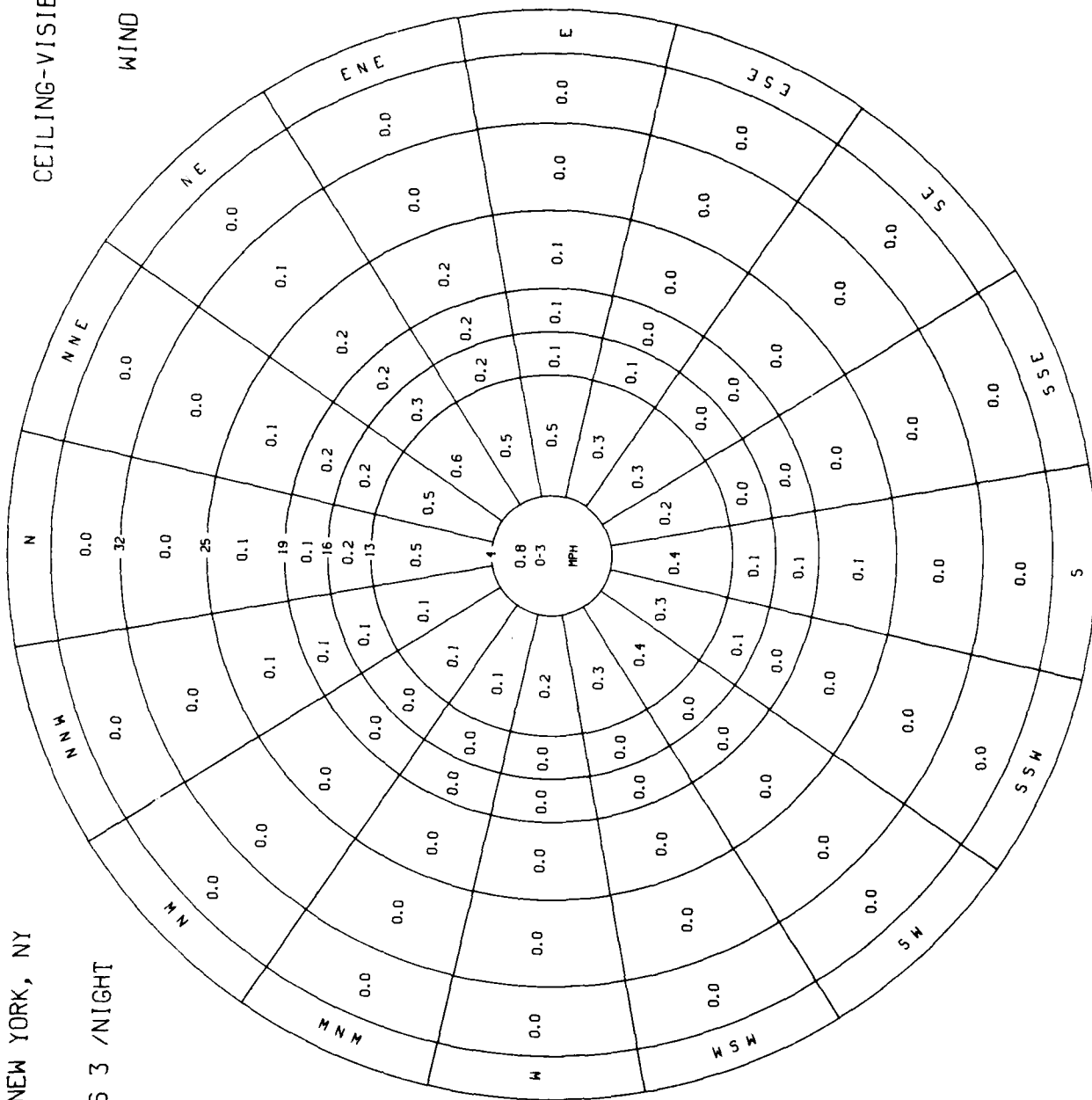
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.3	.4	3.5	.2	1.4	.1	.9	.1	.5	.0	.2	.0	.0	.8	6.8	12.1
NNE	.0	.4	.4	3.4	.2	1.7	.2	1.4	.1	1.0	.0	.2	.0	.1	1.0	8.2	13.2
NE	.0	.4	.6	4.9	.2	2.0	.2	1.6	.2	1.3	.1	.6	.0	.1	1.3	10.9	13.6
ENE	.0	.3	.5	4.5	.2	1.7	.2	1.4	.2	1.5	.0	.3	.0	.2	1.2	9.8	13.5
E	.0	.4	.5	4.4	.2	1.5	.1	1.1	.1	.9	.0	.4	.0	.1	1.1	8.8	12.9
ESE	.0	.3	.4	3.1	.1	.8	.1	.5	.0	.3	.0	.1	.0	.0	.6	5.0	11.3
SE	.0	.4	.3	2.9	.1	.7	.0	.4	.0	.2	.0	.2	.0	.0	.6	4.7	10.8
SSE	.0	.1	.3	2.8	.1	1.0	.1	.4	.0	.4	.0	.3	.0	.0	.6	5.0	12.2
S	.1	.4	.8	6.5	.2	1.8	.1	1.0	.1	.7	.0	.2	.0	.1	1.3	10.8	11.5
SSW	.0	.4	.5	4.1	.1	.8	.1	.5	.0	.1	.0	.1	.0	.0	.7	5.8	9.9
SW	.1	.5	.6	5.4	.1	.7	.0	.4	.0	.1	.0	.0	.0	.0	.9	7.1	9.0
WSW	.0	.4	.6	4.9	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.8	6.3	9.3
W	.0	.4	.2	2.0	.0	.3	.0	.3	.0	.1	.0	.1	.0	.1	.4	3.2	10.3
WNW	.0	.2	.1	1.1	.0	.2	.0	.2	.0	.1	.0	.0	.0	.1	.2	1.7	9.9
NW	.0	.2	.1	1.0	.0	.3	.0	.3	.0	.2	.0	.1	.0	.0	.2	1.9	11.0
NNW	.0	.2	.2	1.4	.0	.4	.0	.3	.0	.3	.0	.1	.0	.0	.3	2.6	11.9
CALM	.2	1.5													.2	1.5	
TOTAL	.8	6.6	6.7	55.8	1.9	15.8	1.3	10.7	.9	7.6	.3	2.8	.1	.8	12.0	100	11.6

JFK NEW YORK, NY

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JFK NEW YORK, NY

PERIOD: 1949-1978

CLASS 3 / NIGHT

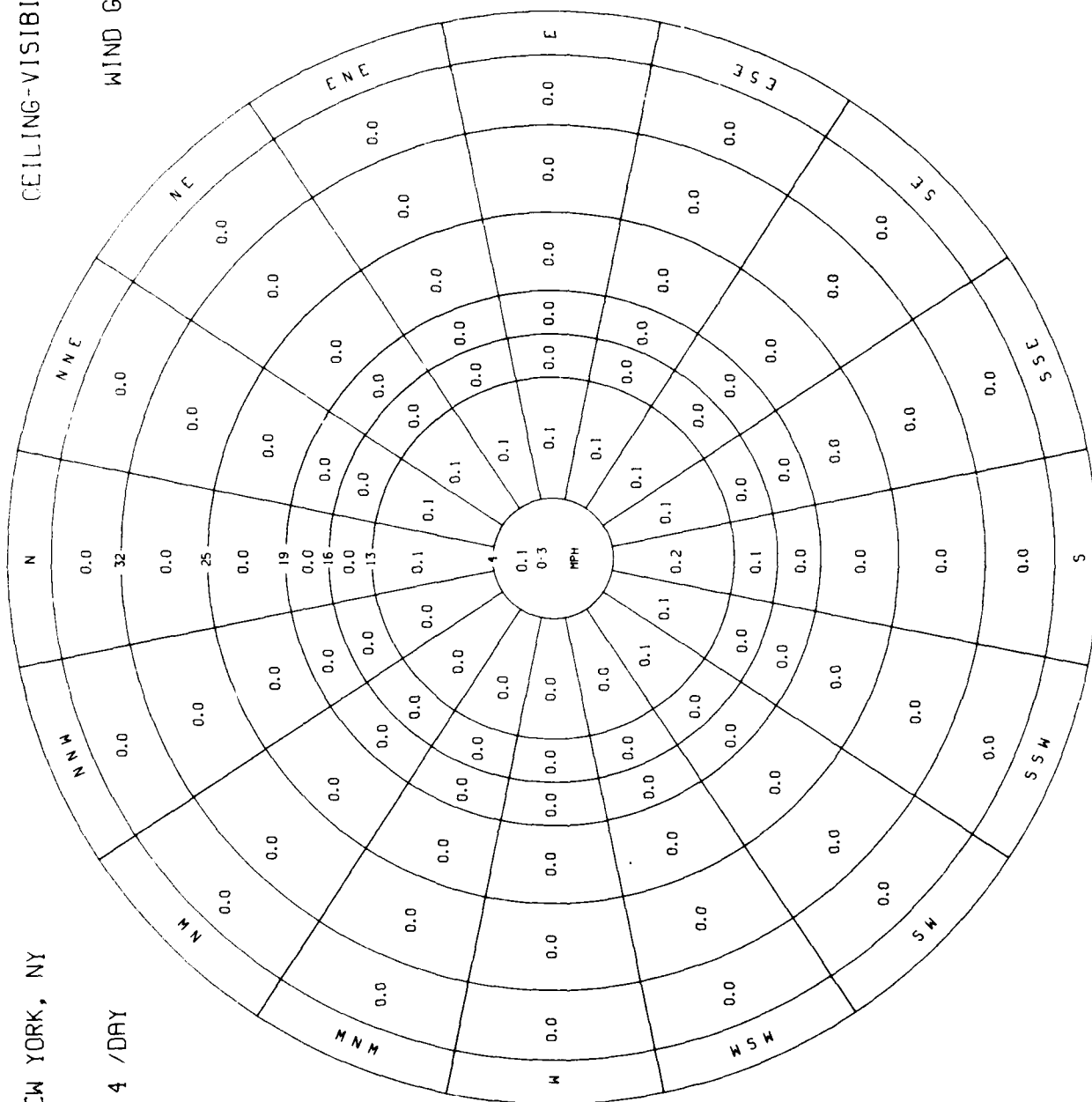
STATION NUMBER: 94789

NO. OBS.: 4002

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.3	.5	4.3	.2	1.8	.1	1.0	.1	.7	.0	.2	.0	.0	.9	8.4	12.3
NNE	.0	.4	.5	5.1	.2	2.1	.2	1.6	.1	1.3	.0	.3	.0	.1	1.1	10.9	13.2
NE	.1	.5	.6	6.1	.3	2.5	.2	2.1	.2	1.5	.1	.5	.0	.2	1.4	13.5	13.3
ENE	.1	.5	.5	5.2	.2	2.4	.2	1.9	.2	1.6	.0	.5	.0	.1	1.3	12.2	13.4
E	.1	.6	.5	4.5	.1	1.3	.1	1.3	.1	.7	.0	.3	.0	.1	.9	8.9	12.3
ESE	.0	.3	.3	3.0	.1	.5	.0	.4	.0	.4	.0	.2	.0	.1	.5	4.9	10.9
SE	.0	.2	.3	2.6	.0	.3	.0	.3	.0	.3	.0	.2	.0	.0	.4	4.0	11.1
SSE	.0	.4	.2	2.2	.0	.5	.0	.4	.0	.2	.0	.2	.0	.0	.4	4.0	11.1
S	.0	.3	.4	3.8	.1	1.0	.1	.6	.1	.7	.0	.1	.0	.1	.7	6.7	11.9
SSW	.0	.3	.3	2.8	.1	.8	.0	.4	.0	.2	.0	.1	.0	.0	.5	4.7	10.4
SW	.1	.5	.4	4.0	.0	.5	.0	.3	.0	.1	.0	.0	.0	.0	.6	5.4	8.9
WSW	.0	.2	.3	3.0	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.4	4.1	9.7
W	.0	.4	.2	2.1	.0	.4	.0	.2	.0	.1	.0	.1	.0	.0	.3	3.2	9.4
WNW	.0	.1	.1	1.0	.0	.2	.0	.1	.0	.0	.0	.1	.0	.0	.2	1.6	11.4
NW	.0	.2	.1	1.1	.0	.3	.0	.3	.0	.2	.0	.0	.0	.0	.2	2.2	11.8
NNW	.0	.1	.1	1.3	.1	.5	.1	.6	.1	.6	.0	.1	.0	.0	.4	3.4	14.3
CALM	.2	1.7													.2	1.7	
TOTAL	.8	7.3	5.5	52.4	1.6	15.6	1.2	11.7	.9	8.9	.3	3.2	.1	.9	10.4	100	11.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: JFK NEW YORK, NY

CLASS 4 / DAY

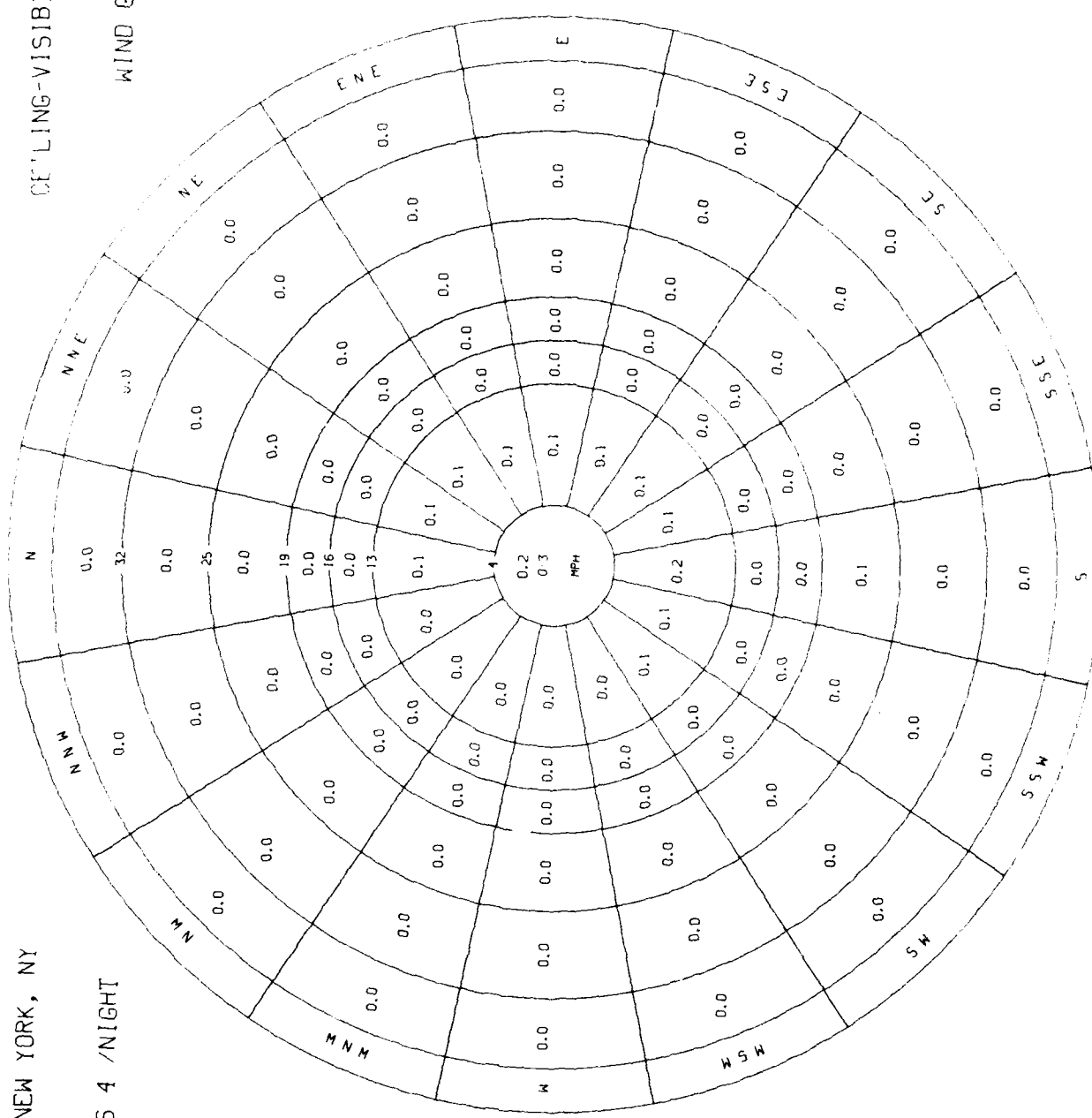
NO. OBS.: 957

STATION NUMBER: 94789

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.1	2.9	.0	.8	.0	.2	.0	.5	.0	.3	.0	.0	.1 5.1
NNE	.0	.3	.1	4.6	.0	.6	.0	.2	.0	.4	.0	.5	.0	.1	.1 6.8
NE	.0	.2	.1	5.6	.0	.7	.0	.4	.0	.4	.0	.1	.0	.1	.1 7.6
ENE	.0	.9	.1	5.4	.0	.7	.0	.5	.0	.3	.0	.3	.0	.1	.2 8.4
E	.0	.3	.1	6.3	.0	1.4	.0	.8	.0	.3	.0	.1	.0	.2	.2 9.4
ESE	.0	.5	.1	4.7	.0	.7	.0	1.0	.0	.2	.0	.0	.0	.1	.1 7.3
SE	.0	.3	.1	2.9	.0	.8	.0	.3	.0	.2	.0	.0	.0	.0	.1 4.6
SSE	.0	.7	.1	3.9	.0	.7	.0	1.0	.0	.7	.0	.5	.0	.1	.2 7.7
S	.0	.1	.2	9.0	.1	4.3	.0	2.2	.0	2.4	.0	.9	.0	.2	.4 19.1
SSW	.0	.4	.1	4.1	.0	.5	.0	.7	.0	.6	.0	.2	.0	.1	.1 6.7
SW	.0	.4	.1	5.0	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.1 6.0
WSW	.0	.3	.0	2.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.1 2.9
W	.0	.1	.0	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0 1.7
WNW	.0	.2	.0	.3	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0 .8
NW	.0	.0	.0	.7	.0	.3	.0	.4	.0	.1	.0	.2	.0	.0	.0 1.8
NNW	.0	.4	.0	1.1	.0	.0	.0	.0	.0	.3	.0	.4	.0	.0	.0 2.3
CALM	.0	1.8													.0 1.8
TOTAL	.1	7.4	1.2	60.2	.2	12.5	.2	8.2	.1	7.0	.1	3.7	.0	1.0	1.9 10.0

CEILING-VISIBILITY
WIND GRAPH

JFK NEW YORK, NY
CLASS 4 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JFK NEW YORK, NY

PERIOD: 1949-1978

CLASS 4 / NIGHT

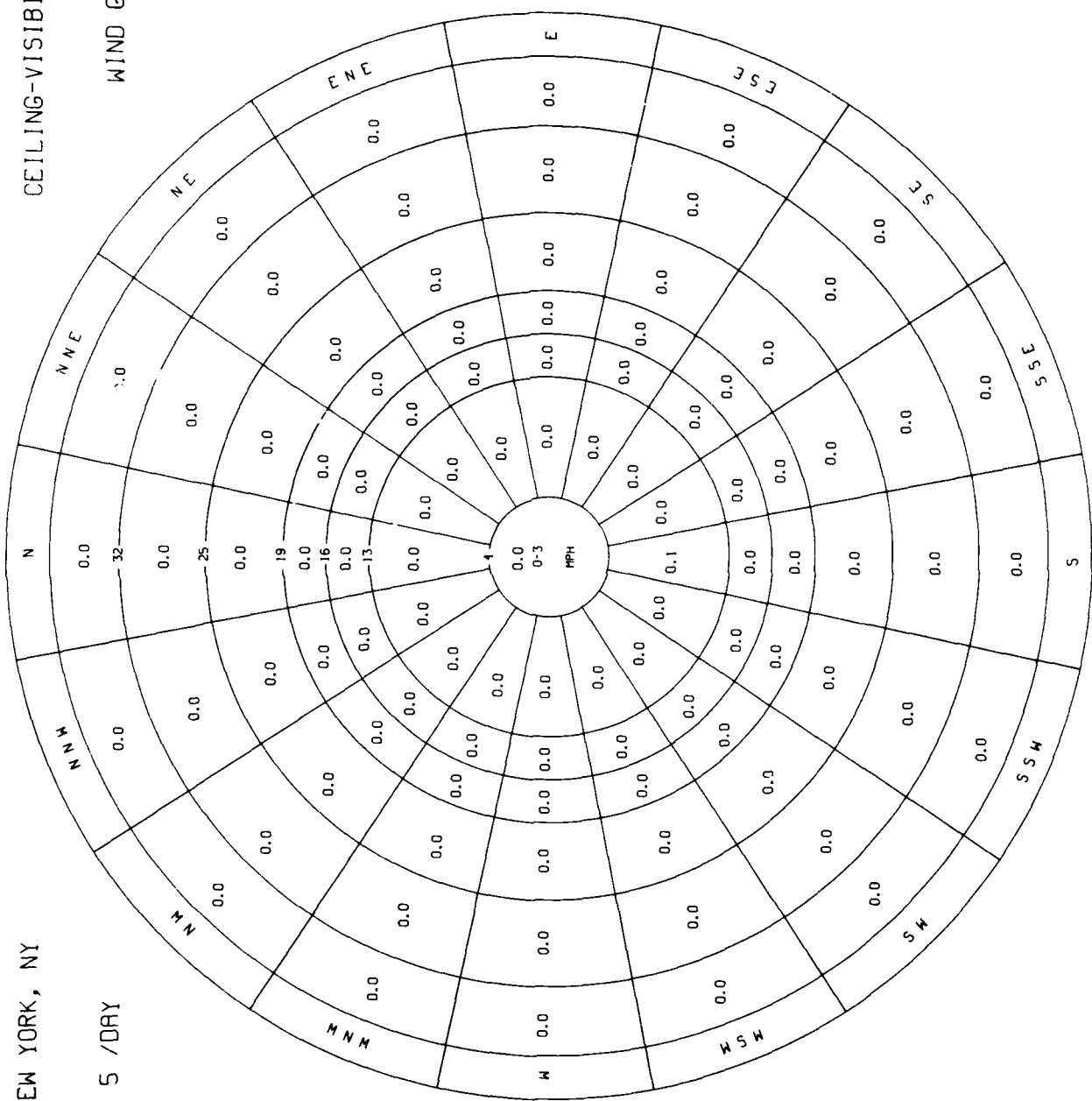
STATION NUMBER: 94789

NO. OBS.: 825

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED				
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D	
N	.0	.4	.1	3.8	.0	.8	.0	.5	.0	.2	.0	.2	.0	.2	.0	.2	.1	6.2	11.2
NNE	.0	.4	.1	5.5	.0	.5	.0	.2	.0	.5	.0	.5	.0	.5	.0	.0	.2	7.5	11.0
NE	.0	.4	.1	5.8	.0	1.0	.0	.2	.0	.7	.0	.1	.0	.1	.0	.0	.2	8.2	10.3
ENE	.0	.7	.1	5.2	.0	1.2	.0	.1	.0	.2	.0	.1	.0	.1	.0	.0	.2	7.6	9.4
E	.0	.7	.1	6.8	.0	.8	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.2	9.8	10.1
ESE	.0	.1	.1	5.0	.0	.2	.0	.4	.0	.5	.0	.1	.0	.1	.0	.0	.1	6.3	10.1
SE	.0	.7	.1	3.5	.0	1.1	.0	.1	.0	.4	.0	.2	.0	.2	.0	.0	.1	6.1	10.1
SSE	.0	.5	.1	5.0	.0	.6	.0	.6	.0	.7	.0	.0	.0	.0	.0	.0	.2	7.4	10.1
S	.0	.7	.2	9.8	.0	2.2	.0	2.2	.1	2.4	.0	.7	.0	.7	.0	.0	.4	18.1	12.3
SSW	.0	.2	.1	4.8	.0	1.8	.0	.1	.0	.2	.0	.2	.0	.2	.0	.4	.2	7.9	11.8
SW	.0	.8	.1	2.4	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	3.5	6.6
WSW	.0	.4	.0	1.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.4	7.6
W	.0	.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	1.8	8.6
WNW	.0	.4	.0	.2	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.8	8.3
NW	.0	.1	.0	1.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.0	1.7	10.1
NNW	.0	.0	.0	2.3	.0	.0	.0	.1	.0	.2	.0	.4	.0	.4	.0	.0	.1	3.0	12.2
CALM	.0	1.6															.0	1.6	
TOTAL	.2	8.2	1.4	64.7	.2	10.5	.1	5.6	.2	7.4	.1	2.8	.0	.7	.0	.2	.2	10.4	

CEILING-VISIBILITY

WIND GRAPH



JFK NEW YORK, NY

CLASS 5 / DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JFK NEW YORK, NY

PERIOD: 1949-1978

CLASS 5 / DAY

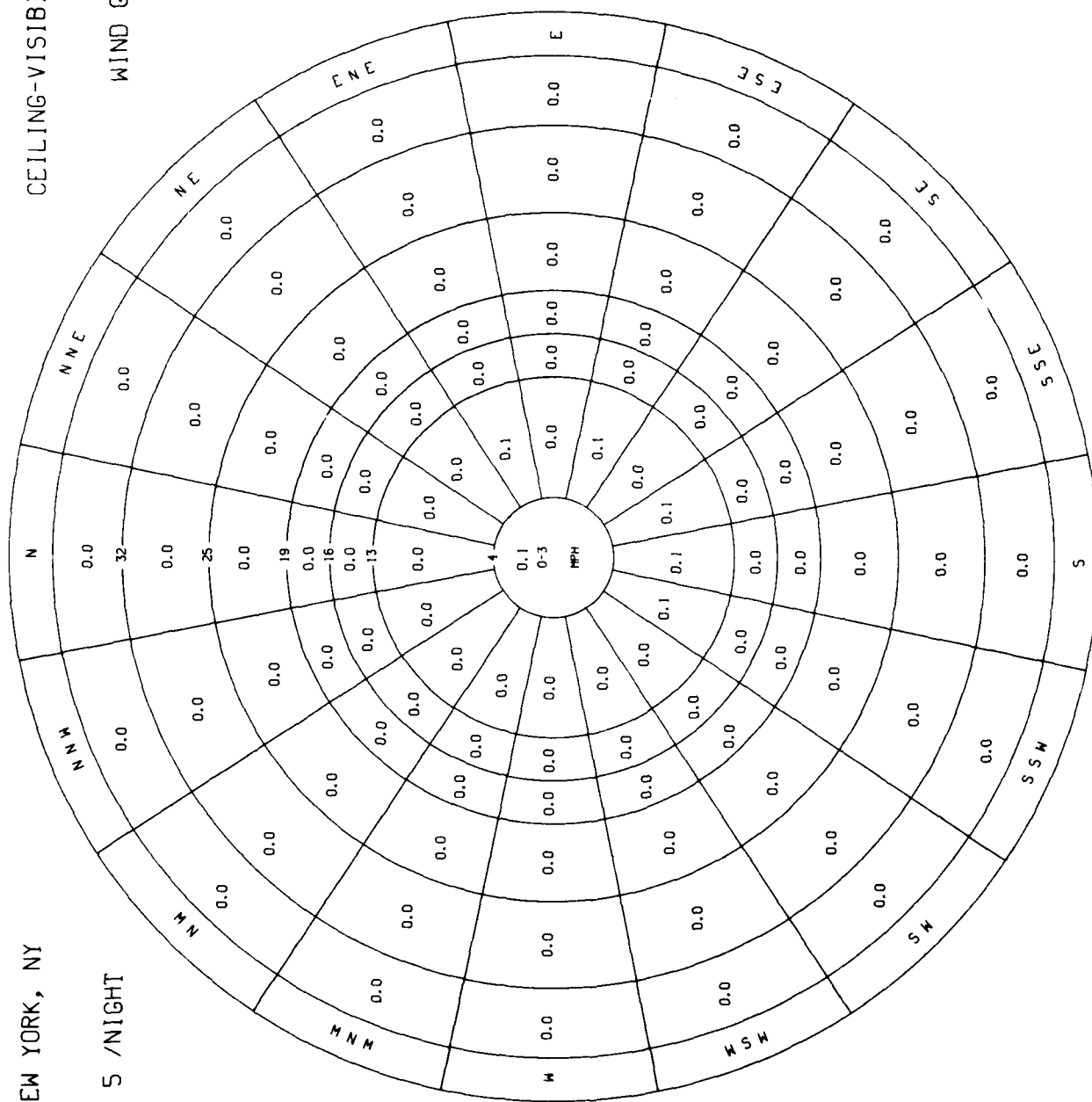
STATION NUMBER: 94789

NO. OBS.: 282

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED				
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D	
N	.0	.0	.0	1.1	.0	.0	.0	.4	.0	.4	.0	.4	.0	.4	.0	.0	.0	2.1	14.8
NNE	.0	.4	.0	3.5	.0	.0	.0	.4	.0	1.1	.0	1.1	.0	1.4	.0	.0	.0	6.7	13.7
NE	.0	.4	.0	2.8	.0	.4	.0	.4	.0	.7	.0	.7	.0	1.1	.0	.0	.0	5.7	14.8
ENE	.0	.7	.0	3.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	7.4
E	.0	2.1	.0	5.3	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	7.8
ESE	.0	.4	.0	5.0	.0	.0	.0	.7	.0	.4	.0	.4	.0	.0	.0	.0	.0	6.4	8.7
SE	.0	.0	.0	4.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	9.4
SSE	.0	.4	.0	4.6	.0	.4	.0	.4	.0	1.1	.0	1.1	.0	.4	.0	.0	.0	7.1	12.1
S	.0	.0	.1	13.5	.0	4.6	.0	5.7	.0	3.9	.0	.4	.0	.4	.0	.0	.2	28.0	13.1
SSW	.0	1.1	.0	6.7	.0	1.1	.0	.4	.0	1.4	.0	1.1	.0	1.1	.0	.0	.1	11.7	11.9
SW	.0	.7	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.6
WSW	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	8.5
W	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	1.8	14.0
WNW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.0
NW	.0	.4	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.4	.0	.4	.0	.0	.0	1.8	19.2
NNW	.0	.0	.0	1.1	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	1.8	12.2
CALM	.0	1.8														.0	.0	1.8	
TOTAL	.0	8.2	.3	59.6	.0	7.4	.1	9.2	.1	10.3	.0	5.0	.0	.4	.0	.6	.0	100	11.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JFK NEW YORK, NY

PERIOD: 1-1-1978

CLASS 5 / NIGHT

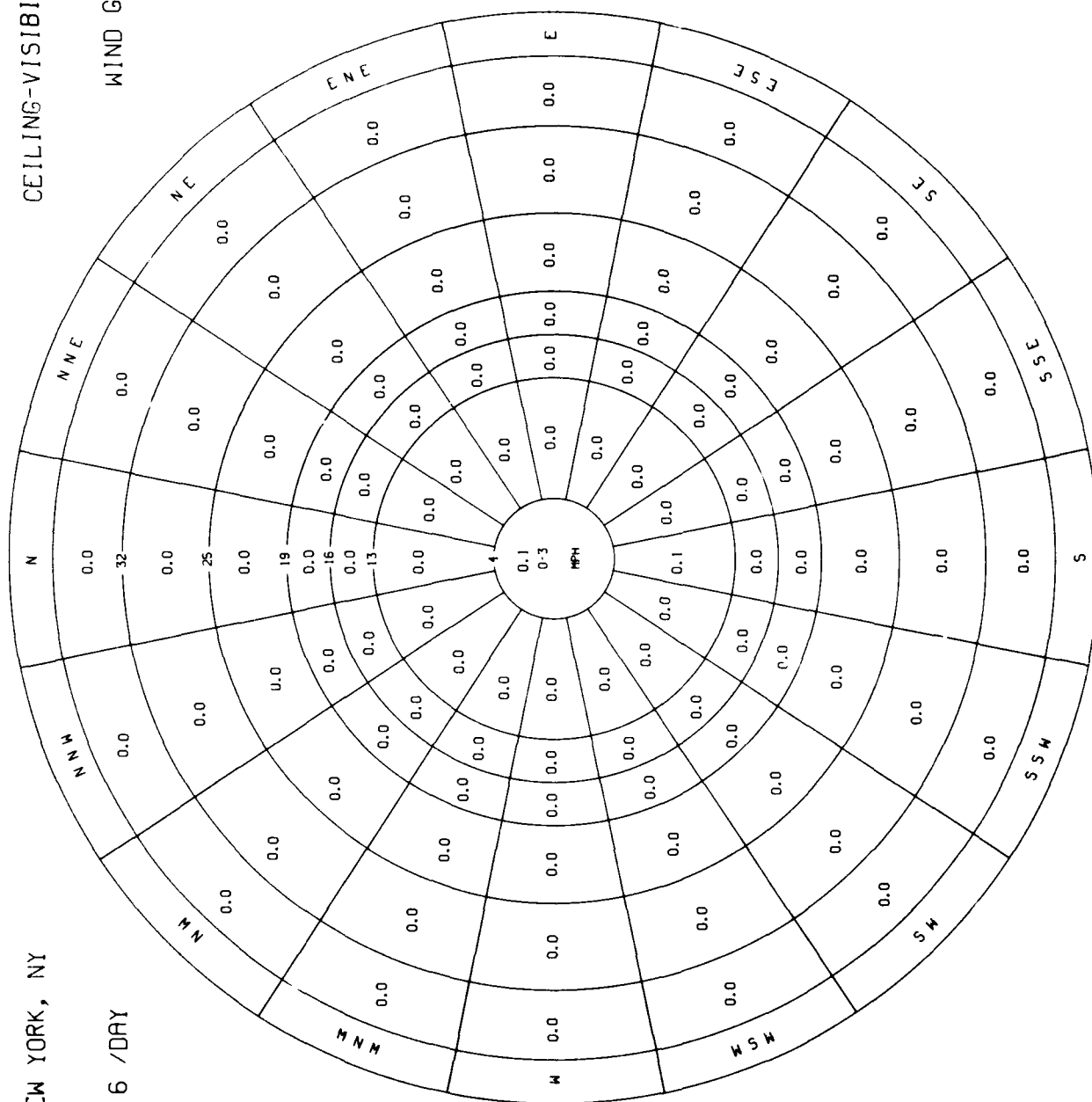
STATION NUMBER: 94789

NO. OBS.: 366

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.8	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.3	.0	.5	.0 3.0
NNE	.0	1.1	.0	2.2	.0	.0	.0	.5	.0	.3	.0	.3	.0	.0	.0 4.4
NNE	.0	.8	.0	3.8	.0	.3	.0	.0	.0	.3	.0	.5	.0	.0	.1 5.7
ENE	.0	1.4	.1	5.7	.0	.5	.0	.3	.0	.3	.0	.3	.0	.0	.1 8.5
E	.0	.5	.0	4.4	.0	.8	.0	.3	.0	.0	.0	.0	.0	.0	.1 6.0
ESE	.0	1.6	.1	6.3	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.1 9.0
SE	.0	.5	.0	4.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.2
SSE	.0	.8	.1	6.6	.0	1.6	.0	1.1	.0	.5	.0	.0	.0	.0	.1 10.7
S	.0	1.6	.1	12.8	.0	1.6	.0	2.7	.0	2.5	.0	1.1	.0	.3	.2 22.7
SSW	.0	.5	.1	7.9	.0	1.1	.0	1.1	.0	1.4	.0	.3	.0	.0	.1 12.3
SW	.0	.3	.0	4.1	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0 4.9
WSW	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
W	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0 .8
NNW	.0	.0	.0	.5	.0	.0	.0	.3	.0	.5	.0	.3	.0	.0	.0 1.6
CALM	.0	1.6													.0 1.6
TOTAL	.1	12.3	.6	63.7	.1	6.6	.1	7.7	.1	5.7	.0	3.3	.0	.8	1.0 100
															9.9

CEILING-VISIBILITY

WIND GRAPH



ANNUAL

PERIOD: 1949-1978

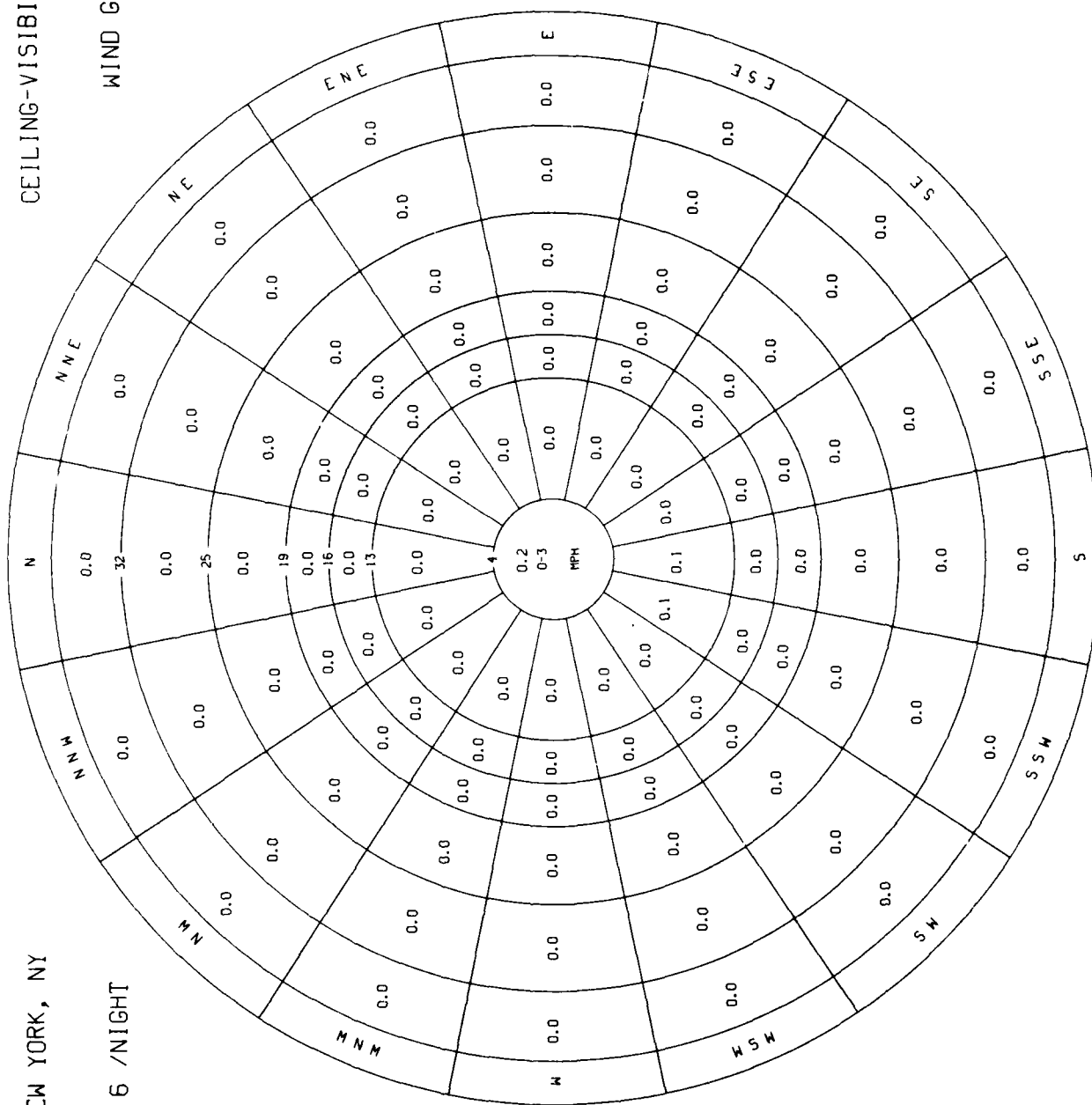
CLASS 6 / DAY

NO.	OBS.:	
336		

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.3	.0	1.5	.0	.0	.0	.0	.0	.3	.0	.3	.0	.3	.0	2.7	13.5
NNE	.0	1.8	.0	3.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	5.4	6.7
NE	.0	1.5	.0	1.5	.0	.6	.0	.0	.0	.0	.0	.6	.0	.0	.0	4.2	9.5
ENE	.0	1.8	.0	3.9	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	6.0	6.2
E	.0	.9	.0	3.9	.0	.0	.0	.3	.0	.0	.0	.3	.0	.0	.0	5.4	7.8
ESE	.0	.9	.0	2.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.5
SE	.0	.9	.0	5.1	.0	1.2	.0	.3	.0	.3	.0	.0	.0	.0	.1	7.7	8.9
SSE	.0	.6	.0	6.5	.0	.9	.0	1.5	.0	.9	.0	.6	.0	.0	.1	11.0	11.1
S	.0	1.8	.1	14.6	.0	2.7	.0	3.0	.0	3.0	.0	1.8	.0	.3	.2	27.1	12.3
SSW	.0	.6	.0	6.5	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1	7.7	7.7
SW	.0	.9	.0	6.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.4	6.6
WSW	.0	.6	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	7.7
W	.0	.6	.0	1.5	.0	.0	.0	.0	.0	.3	.0	.0	.0	.3	.0	2.7	10.3
WNW	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	13.5
NW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.6	22.0
NNW	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.3	.0	.3	.0	1.8	14.3
CALM	.0	1.8													.0	1.8	
TOTAL	1	15.2	4	61.9	0	6.5	0	6.0	0	5.1	0	3.9	0	1.5	7	100	9.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JFK NEW YORK, NY

PERIOD: 1949-1978

CLASS 6 / NIGHT,

STATION NUMBER: 94789

NO. OBS.: 327

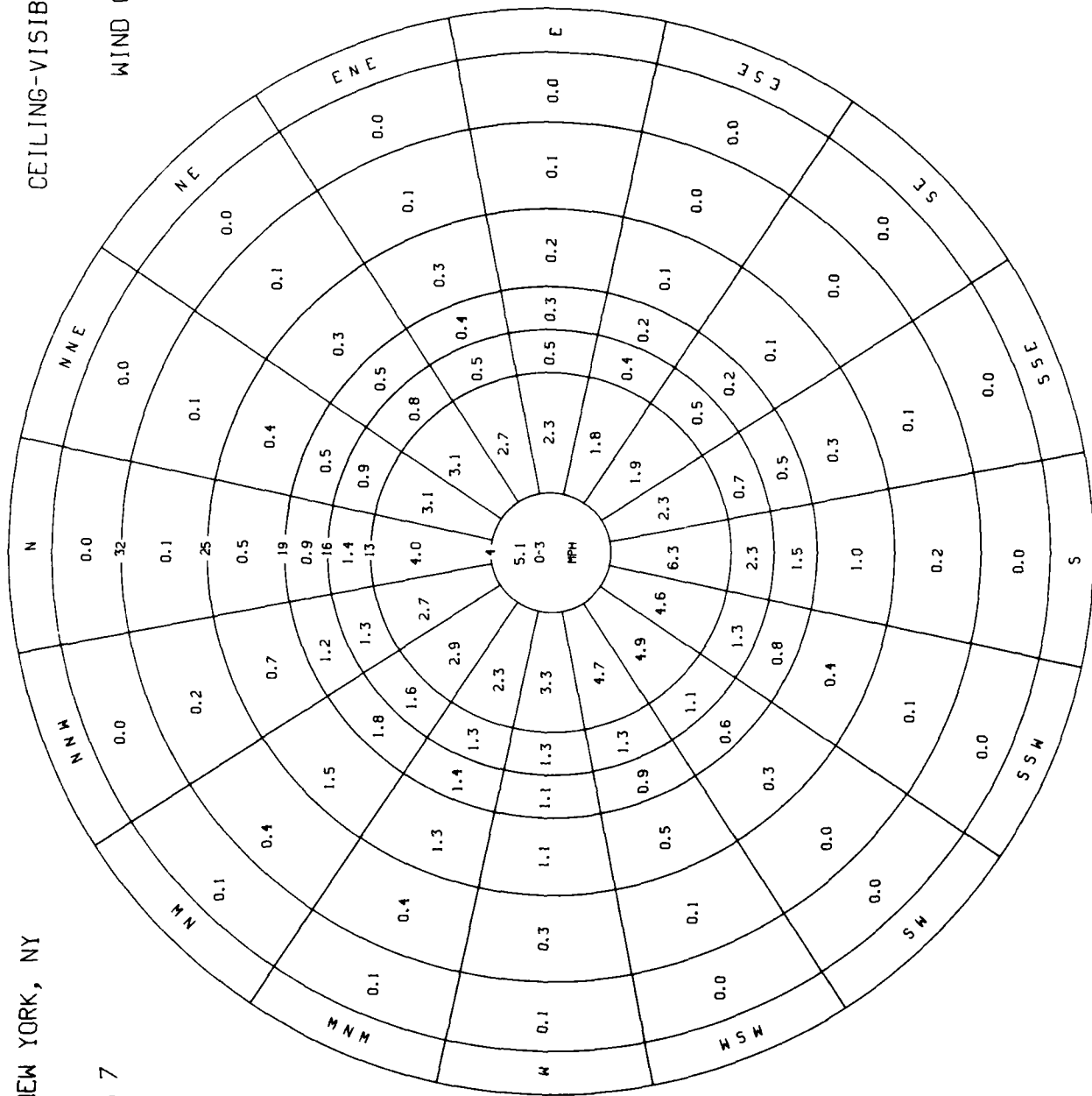
D I R	SPEED GROUPS (MPH)														AVS WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.6	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	5.2	8.6
NNE	.0	.9	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	4.6	7.1
NE	.0	.6	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.1
ENE	.0	1.5	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.1	5.9
E	.0	1.5	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.4	5.4
ESE	.0	1.5	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	5.6
SE	.0	2.1	.0	4.9	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.1	7.6	6.9
SSE	.0	.9	.0	5.5	.0	1.5	.0	.6	.0	.3	.0	.6	.0	.6	.0	.1	9.5	10.7
S	.0	.9	.1	13.1	.0	1.2	.0	.9	.0	3.4	.0	.0	.0	.0	.0	.2	19.6	10.9
SSW	.0	.6	.1	11.0	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.1	12.5	8.5
SW	.0	.9	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	6.2
WSW	.0	.6	.0	2.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	7.0
W	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	5.5
WNW	.0	.3	.0	1.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	8.0
NW	.0	.3	.0	.6	.0	.0	.0	.0	.0	.3	.0	.3	.0	.3	.0	.0	1.5	14.4
NNW	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	2.1	10.3
CALM	.0	4.6														.0	4.6	
TOTAL	2	19.3	.6	68.5	.0	4.0	.0	2.1	.0	4.3	.0	1.2	.0	.6	.9	100		7.9

JFK NEW YORK, NY

CLASS 7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:POU POUGHKEEPSIE, NY

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 14757

NO. OBS.: 15384

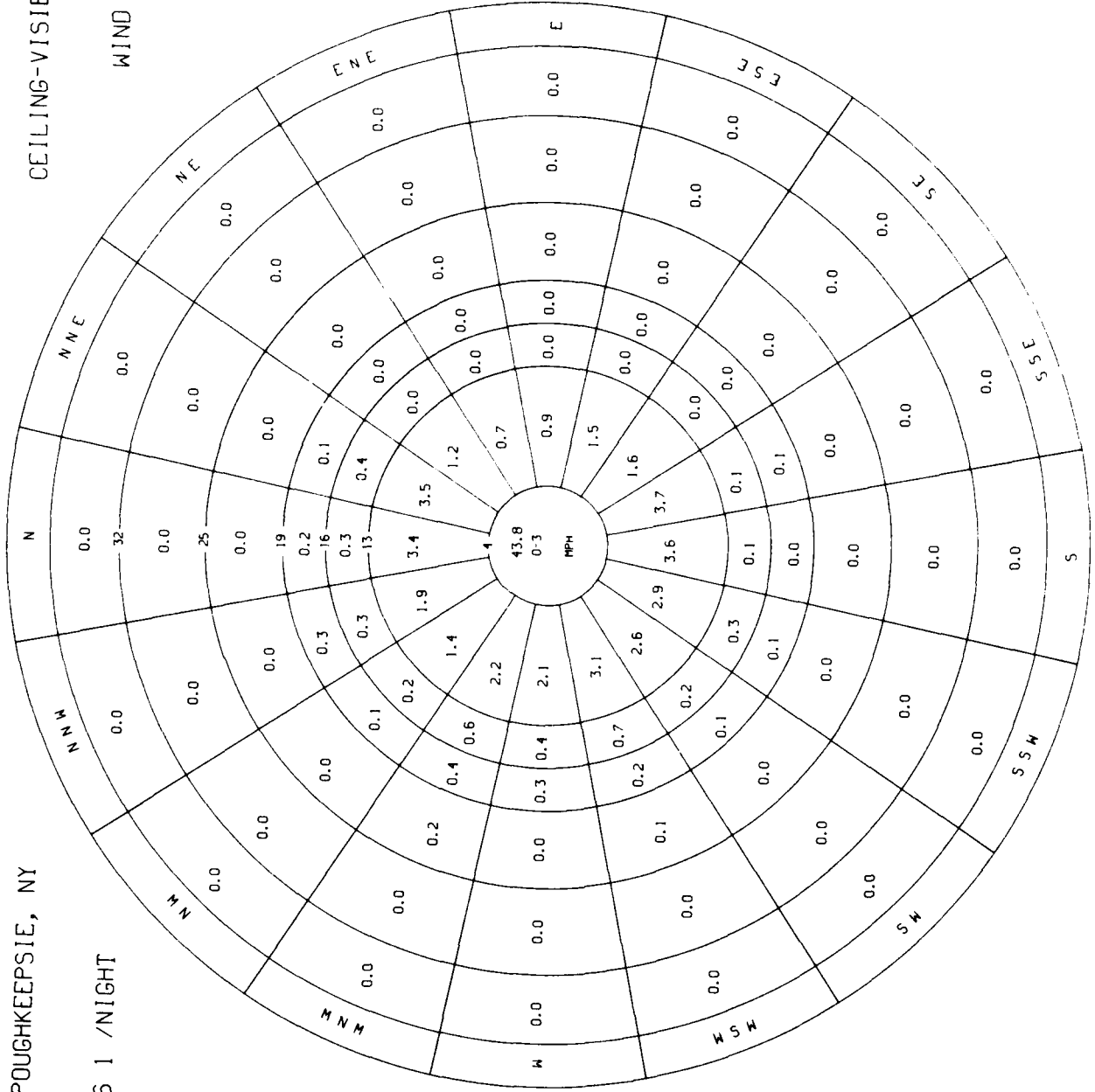
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.9	1.1	4.5	5.3	.7	.9	.5	.6	.1	.1	.0	.0	.0	.0	6.7 7.8
NNE	.8	1.0	4.7	5.5	.6	.8	.3	.3	.1	.1	.0	.0	.0	.0	6.5 7.7
NE	.6	.7	1.4	1.6	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.1 2.5
ENE	.5	.5	1.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6 1.9
E	.4	.5	.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2 1.4
ESE	.7	.8	1.2	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0 2.3
SE	.4	.5	1.2	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7 2.0
SSE	.8	1.0	3.5	4.1	.4	.4	.2	.2	.0	.0	.0	.0	.0	.0	4.9 5.8
S	.7	.8	4.6	5.4	.5	.6	.2	.3	.0	.0	.0	.0	.0	.0	6.1 7.1
SSW	.7	.9	6.1	7.2	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	7.8 9.2
SW	.6	.7	4.8	5.7	.8	.9	.3	.3	.0	.0	.0	.0	.0	.0	6.6 7.7
WSW	.4	.5	4.9	5.7	1.2	1.4	.6	.7	.3	.3	.0	.0	.0	.0	7.4 8.7
W	.4	.5	2.7	3.1	.7	.9	.7	.8	.2	.2	.0	.0	.0	.0	4.7 5.5
WNW	.4	.4	2.9	3.4	1.0	1.2	.9	1.1	.4	.5	.1	.1	.0	.0	5.8 6.7
NW	.5	.6	1.8	2.1	.6	.7	.5	.6	.1	.1	.0	.0	.0	.0	3.5 4.1
NNW	.6	.7	3.4	4.0	.8	.9	.6	.7	.2	.3	.0	.0	.0	.0	5.7 6.6
CALM	11.0	12.9													11.0 12.9
TOTAL	20.6	24.1	49.5	58.1	8.2	9.7	5.1	6.0	1.6	1.9	.2	.2	.0	.0	85.2 100

POU POUGHKEEPSIE, NY

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:POU POUGHKEEPSIE, NY

PERIOD: 1949-1978

CLASS 1 / NIGHT

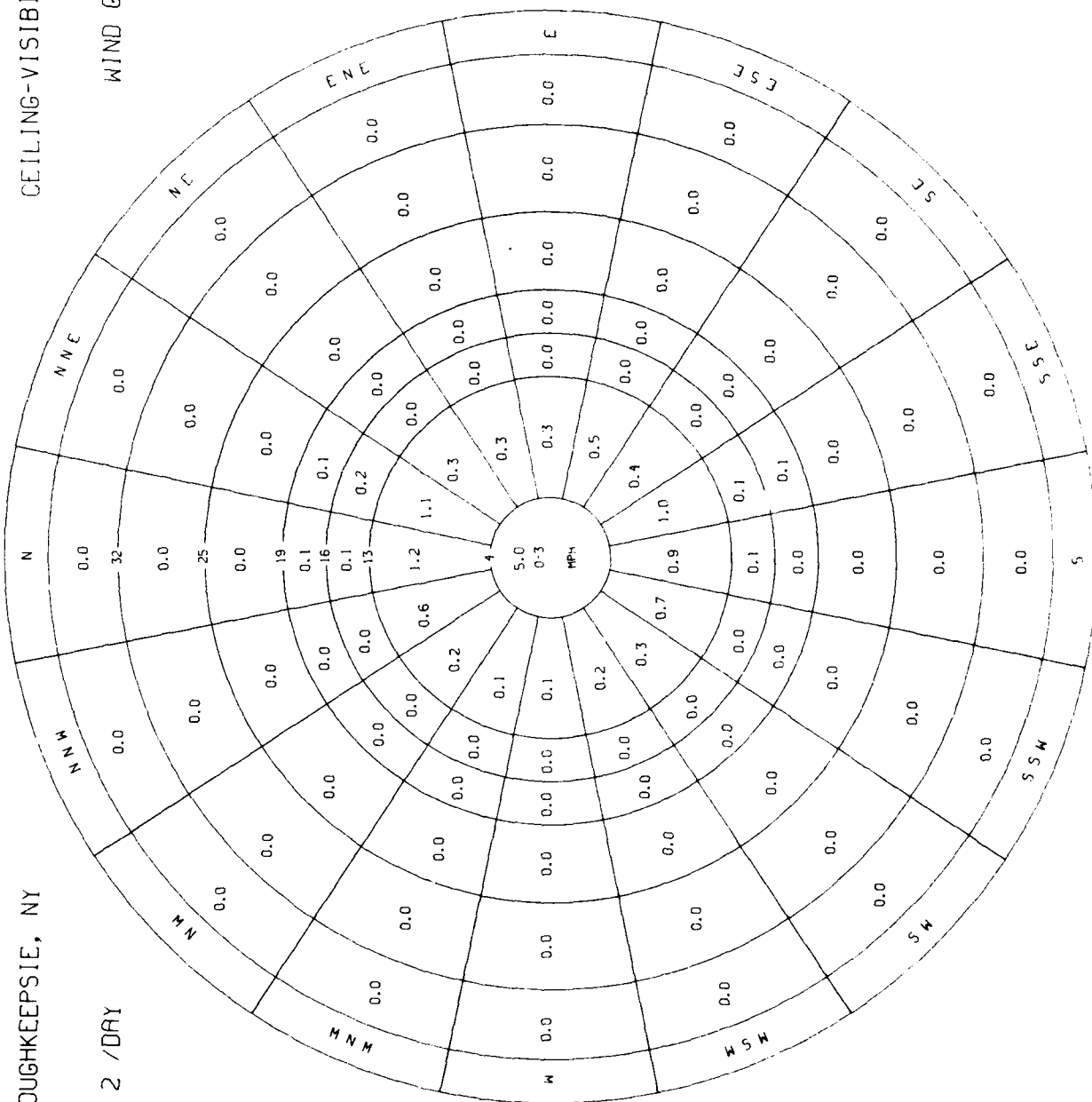
STATION NUMBER: 14757

NO. OBS.: 12152

J I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	1.1	1.2	3.4	3.9	.3	.3	.2	.2	.0	.0	.0	.0	.0	.0	4.9 5.7 7.3
NNE	1.4	1.6	3.5	4.1	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	5.5 6.3 7.1
NE	.9	1.1	1.2	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2 2.5 5.1
ENE	1.1	1.3	.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8 2.1 4.1
E	1.3	1.5	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3 2.6 4.1
ESE	1.9	2.2	1.5	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4 3.9 4.6
SE	1.1	1.2	1.6	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7 3.1 5.2
SSE	1.4	1.6	3.7	4.3	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	5.3 6.2 6.4
S	.9	1.1	3.6	4.1	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	4.7 5.4 6.7
SSW	.8	1.0	2.9	3.3	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.1 4.7 7.3
SW	.6	.7	2.6	3.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.4 4.0 7.8
WSW	.3	.4	3.1	3.6	.7	.8	.2	.3	.1	.1	.0	.0	.0	.0	4.5 5.2 9.8
W	.3	.3	2.1	2.4	.4	.5	.3	.4	.0	.1	.0	.0	.0	.0	3.2 3.7 10.0
WNW	.2	.3	2.2	2.6	.6	.7	.4	.5	.2	.2	.0	.1	.0	.0	3.8 4.3 11.1
NW	.4	.4	1.4	1.6	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	2.2 2.5 8.7
NNW	.6	.7	1.9	2.2	.3	.4	.3	.3	.0	.1	.0	.0	.0	.0	3.2 3.7 8.8
CALM	29.4	34.0													29.4 34.0
TOTAL	43.8	50.6	36.3	42.0	4.9	4.4	2.0	2.4	.5	.6	.1	.1	.0	.0	86.6 100 4.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: POUGHKEEPSIE, NY

CLASS 2 / DAY

NO. OBS.: 2667

STATION NUMBER: 14757

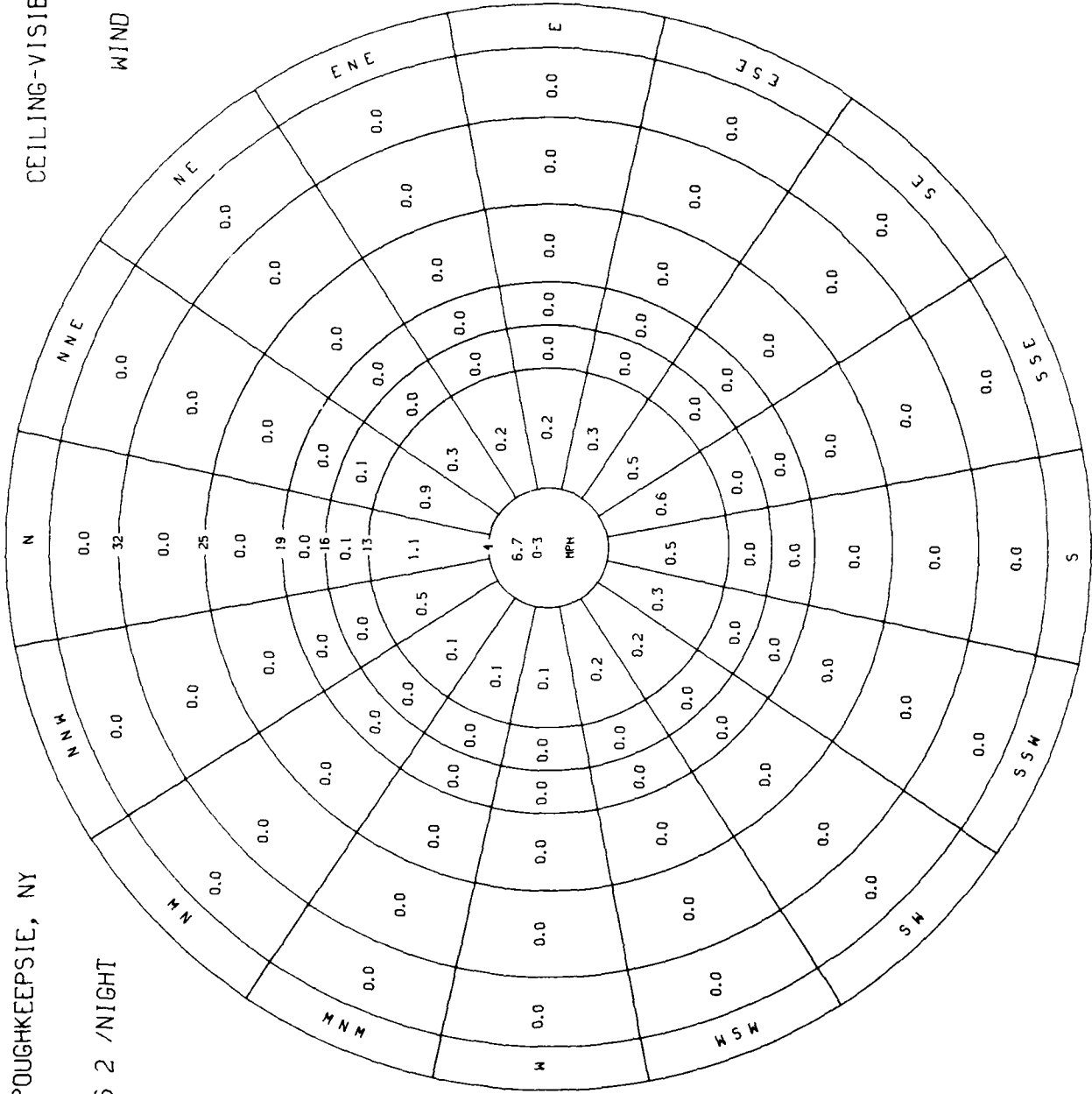
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	1.5	1.2	8.3	.1	.9	.1	.4	.0	.2	.0	.0	.0	.0	1.7 11.4
NNE	.2	1.7	1.1	7.7	.2	1.0	.1	.4	.0	.2	.0	.0	.0	.0	1.6 11.0
NE	.1	.7	.3	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.8
ENE	.1	.8	.3	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.9
E	.1	.9	.3	2.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.5 3.4
ESE	.2	1.2	.5	3.5	.0	.3	.0	.2	.0	.0	.0	.1	.0	.0	.8 5.3
SE	.2	1.1	.4	2.8	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.2
SSE	.2	1.3	1.0	6.7	.1	.6	.1	.4	.0	.1	.0	.1	.0	.0	1.4 9.2
S	.1	1.0	.9	6.4	.1	.7	.0	.3	.0	.0	.0	.0	.0	.0	1.2 8.4
SSW	.2	1.2	.7	4.7	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	1.0 6.4
SW	.1	.7	.3	2.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.5 3.1
WSW	.1	.6	.2	1.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4 2.5
W	.1	.4	.1	.9	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.2 1.4
WNW	.1	.5	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.2
NW	.1	.7	.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.3
NNW	.2	1.1	.6	4.4	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.9 5.9
CALM	2.7	18.5													2.7 18.5
TOTAL	5.0	33.9	8.5	57.4	.7	4.9	.4	2.5	.1	.9	.0	.2	.0	.0	14.8 100

POU POUGHKEEPSIE, NY

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:POU POUGHKEEPSIE, NY

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 14757

NO. OBS.: 1878

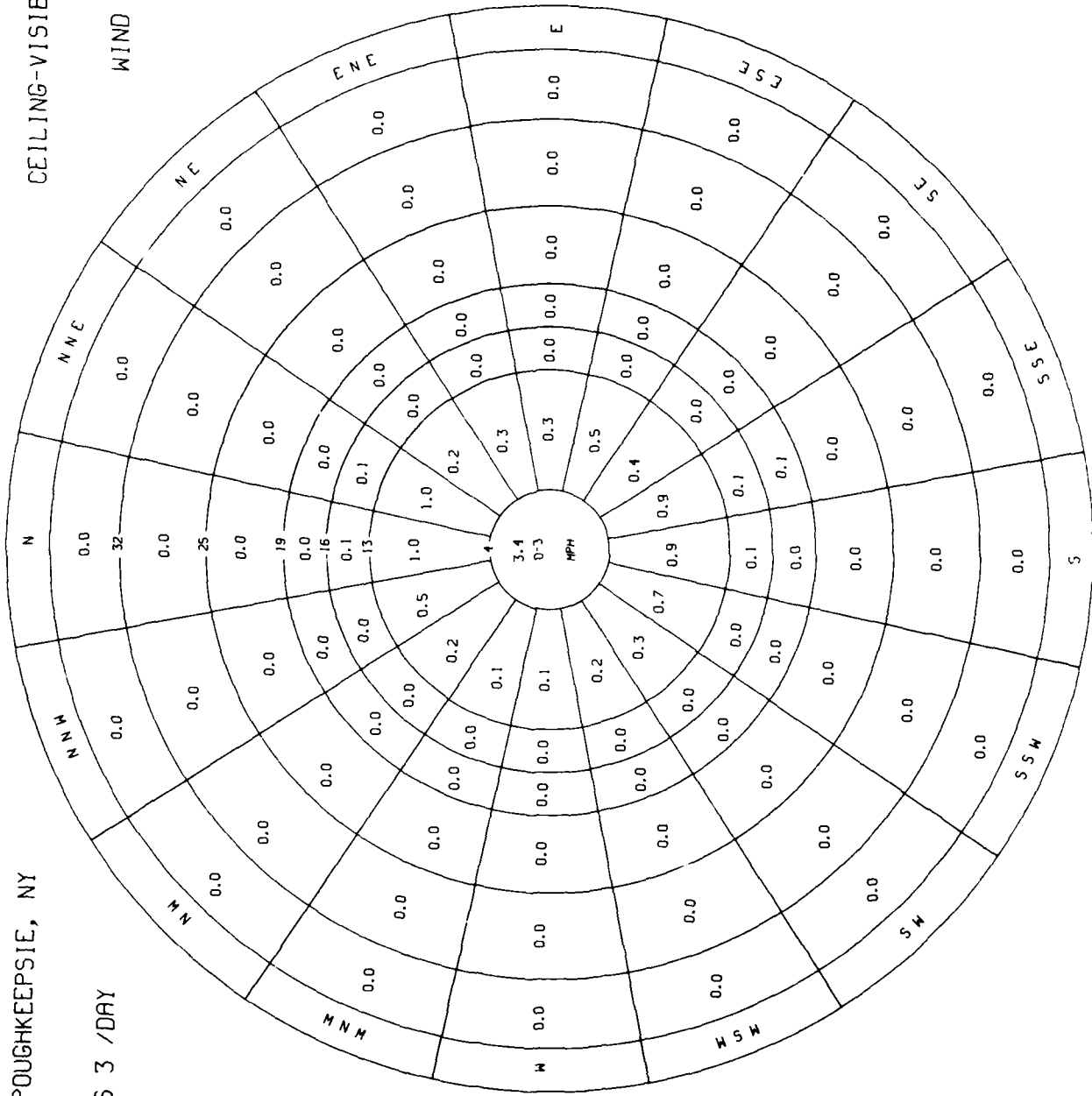
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	1.9	1.1	8.3	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	1.5 10.9
NNE	.2	1.7	.9	7.1	.1	.9	.0	.4	.0	.1	.0	.0	.0	.0	1.4 10.1
NE	.1	.8	.3	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.9
ENE	.1	1.0	.2	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.3
E	.2	1.4	.2	1.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.4
ESE	.3	2.3	.3	2.6	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.7 5.2
SE	.2	1.3	.5	3.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6 4.8
SSE	.2	1.7	.6	4.4	.0	.2	.0	.2	.0	.0	.0	.1	.0	.0	.9 6.5
S	.2	1.2	.5	3.9	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.7 5.3
SSW	.1	.6	.3	1.9	.0	.3	.0	.1	.0	.0	.0	.1	.0	.0	.4 2.9
SW	.1	.5	.2	1.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.3 2.0
WSW	.1	.9	.2	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.4
W	.0	.4	.1	.5	.0	.1	.0	.0	.0	.2	.0	.1	.0	.0	.1 1.1
WNW	.0	.3	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 1.0
NW	.1	.6	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.3
NNW	.2	1.7	.5	3.8	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.8 5.9
CALM	4.3	31.9													4.3 31.9
TOTAL	6.7	50.2	6.0	44.7	.4	3.0	.2	1.4	.1	.5	.0	.2	.0	.1	13.4 100

POU POUGHKEEPSIE, NY

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:POU POUGHKEEPSIE, NY

PERIOD:1949-1978

CLASS 3 / DAY

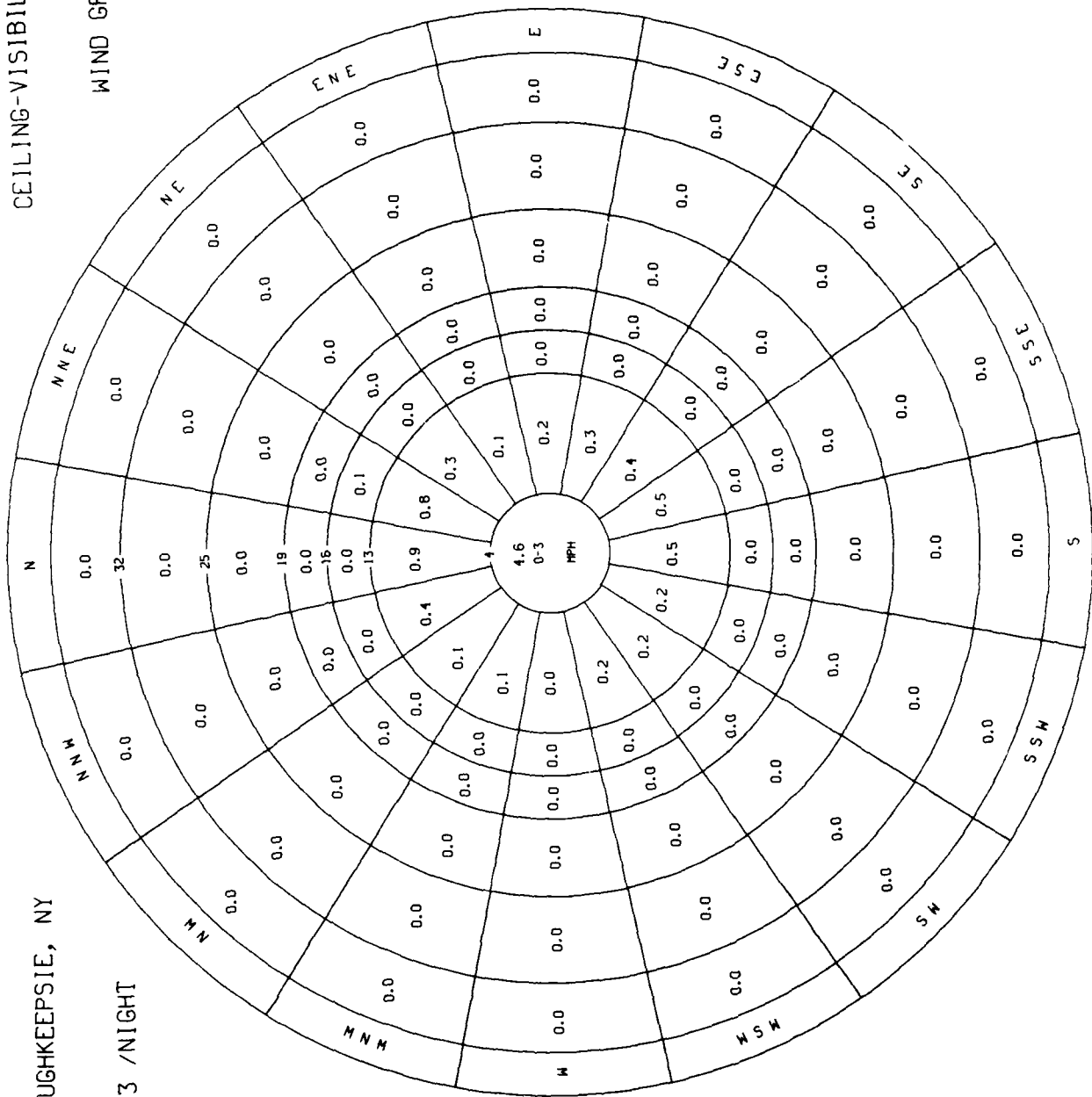
STATION NUMBER:14757

NO. OBS.: 2165

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.9	1.0	8.0	.1	.8	.0	.3	.0	.2	.0	.0	.0	.0	1.2 10.3
NNE	.2	1.5	1.0	8.3	.1	1.2	.0	.4	.0	.2	.0	.0	.0	.0	1.4 11.5
N E	.1	.7	.2	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.9
ENE	.1	.6	.3	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.9
E	.1	.9	.3	2.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.6
ESE	.1	1.1	.5	4.2	.0	.3	.0	.3	.0	.0	.0	.1	.0	.0	.7 6.0
SE	.1	1.0	.4	3.1	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5 4.5
SSE	.1	1.1	.9	7.6	.1	.7	.1	.2	.0	.1	.0	.0	.0	.0	1.2 10.1
S	.1	.8	.9	7.1	.1	.8	.0	.4	.0	.0	.0	.0	.0	.0	1.1 9.2
SSW	.1	1.2	.7	5.5	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.9 7.3
SW	.1	.6	.3	2.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.2
WSW	.1	.6	.2	1.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.9
W	.0	.4	.1	1.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.2 1.6
WNW	.1	.5	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.2
NW	.1	.6	.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.0
NNW	.1	.9	.5	4.5	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.7 5.8
CALM	1.8	15.1													1.8 15.1
TOTAL	3.4	28.4	7.5	62.2	.6	5.4	.3	2.7	.1	1.0	.0	.2	.0	.0	12.0 100
															6.7

CEILING-VISIBILITY

WIND GRAPH



POU POUGHKEEPSIE, NY

CLASS 3 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: POU POUGHKEEPSIE, NY

PERIOD: 1949-1978

CLASS 3 / NIGHT

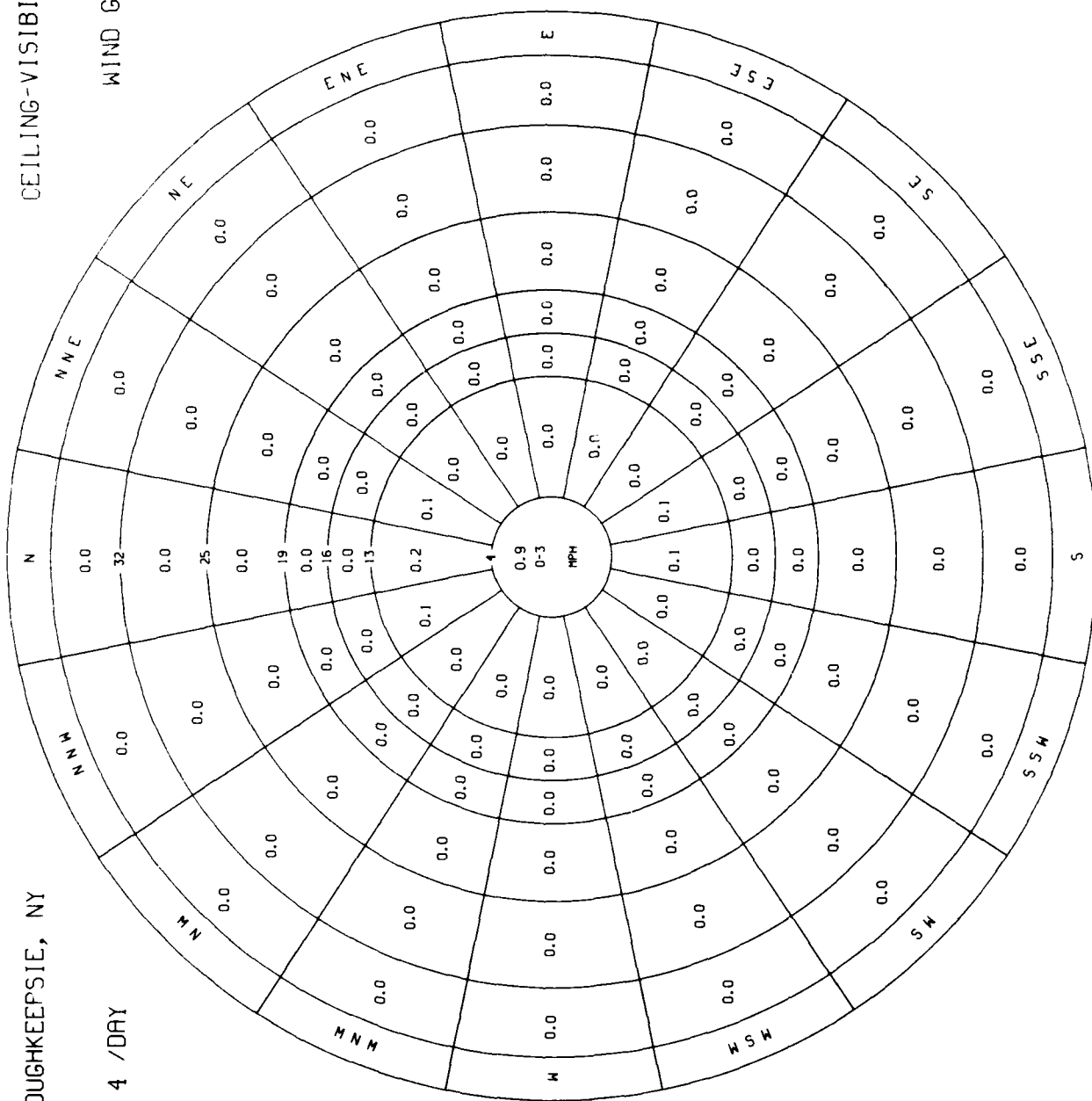
STATION NUMBER: 14757

NO. OBS.: 1476

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	1.8	.9	8.7	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	1.2 11.3
NNE	.1	1.4	.8	7.7	.1	1.0	.0	.3	.0	.0	.0	.0	.0	.0	1.1 10.5
NE	.1	.8	.3	2.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 3.3
ENE	.1	.8	.1	1.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.3
E	.1	1.2	.2	2.0	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.6
ESE	.2	2.0	.3	3.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.6 5.4
SE	.1	1.2	.4	4.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6 5.4
SSE	.2	1.8	.5	5.2	.0	.2	.0	.2	.0	.0	.0	.1	.0	.0	.8 7.6
S	.1	.9	.5	4.6	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.6 5.8
SSW	.1	.5	.2	2.4	.0	.3	.0	.1	.0	.0	.0	.1	.0	.0	.4 3.4
SW	.0	.4	.2	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2 2.2
WSW	.1	.9	.2	1.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.8
W	.0	.2	.0	.4	.0	.1	.0	.0	.0	.2	.0	.1	.0	.0	.1 .9
WNW	.0	.3	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .9
NW	.1	.7	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.6
NNW	.2	1.7	.4	4.1	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.7 6.2
CALM	2.8	26.8													2.8 26.8
TOTAL	4.6	43.6	5.4	50.9	.4	3.5	.1	1.4	.0	.4	.0	.3	.0	.1	10.5 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:POU POUGHKEEPSIE, NY

PERIOD: 1949- 1978

CLASS 4 / DAY

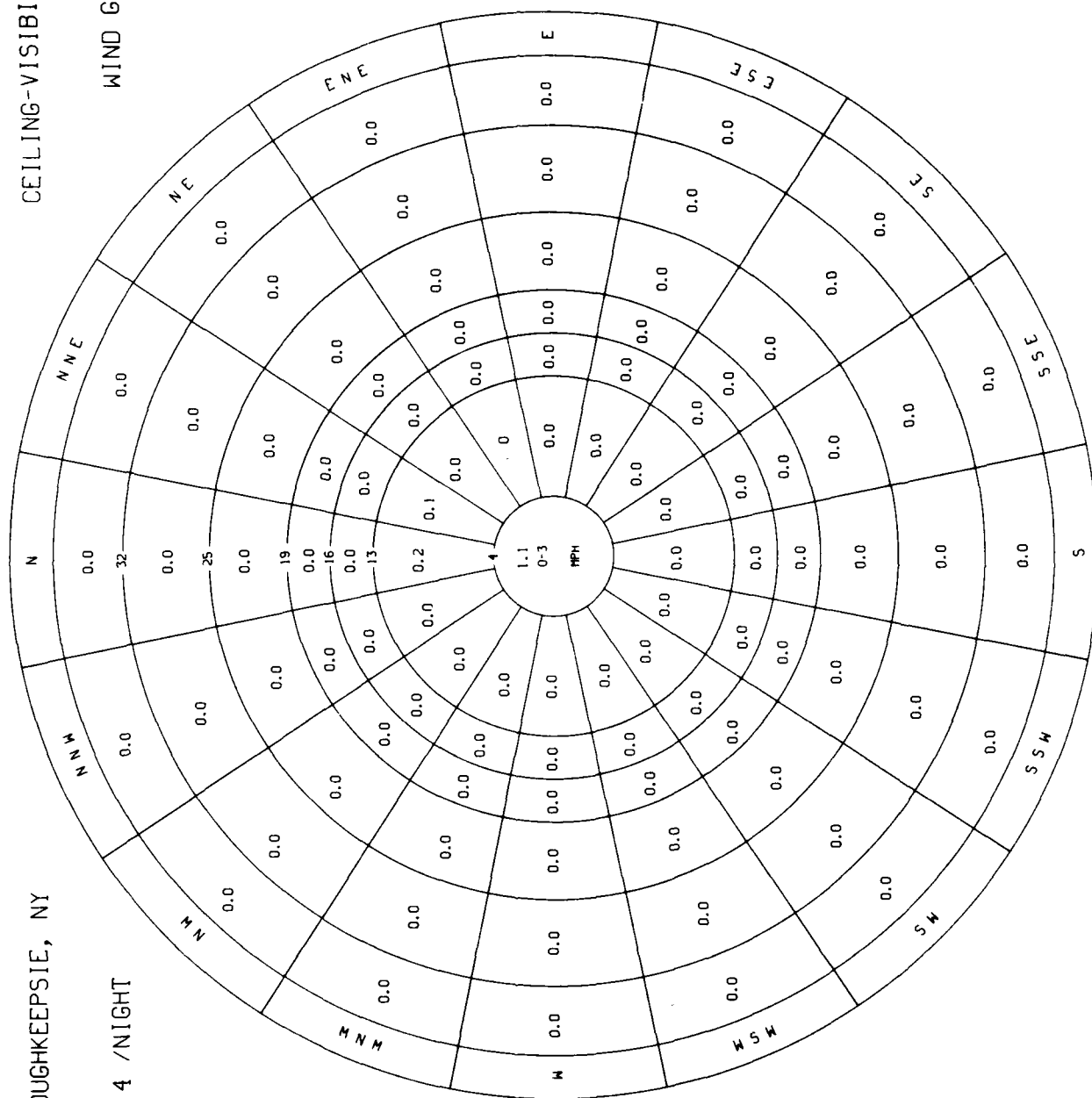
STATION NUMBER: 14757

NO. OBS.: 329

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.1	3.6	.2	11.6	.0	1.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	.3	17.6	7.7
NNE	.0	2.4	.1	7.3	.0	.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.2	11.2	7.2
NE	.0	.6	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	5.8
ENE	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.6	4.8
E	.0	.9	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	6.1
ESE	.0	1.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	3.5
SE	.0	1.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	3.2
SSE	.0	1.8	.1	3.3	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.1	5.5	6.9
S	.0	2.1	.1	3.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.1	6.0
SSW	.0	1.2	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.2
SW	.0	1.2	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.8
WSW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0
W	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	6.0
WNW	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.0
NW	.0	1.2	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	4.4
NNW	.0	2.4	.1	4.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.3	5.6
CALM	.5	27.4														.5	27.4	
TOTAL	.9	51.1	.8	43.8	.1	3.3	.0	1.5	.0	.0	.0	.3	.0	.0	.0	1.8	100	4.6

POU POUGHKEEPSIE, NY

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:POU POUGHKEEPSIE, NY

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 14757

NO. OBS.: 224

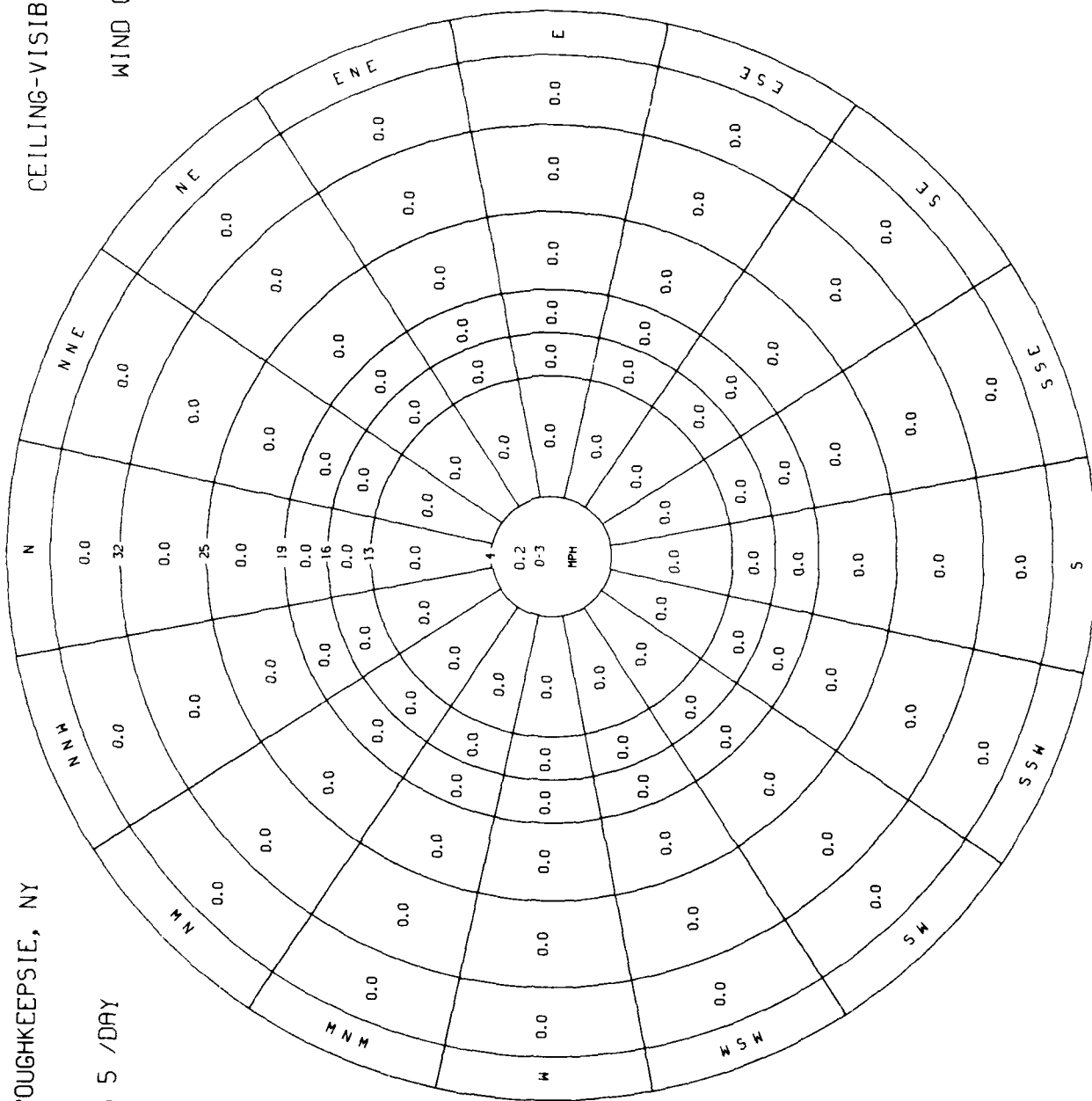
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	1.8	.2	9.8	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.2	12.9	7.8
NNE	.0	2.7	.1	8.0	.0	.9	.0	.4	.0	.4	.0	.0	.0	.0	.2	12.5	7.8
NE	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	3.8
ENE	.0	1.8	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	4.0
E	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.0
ESE	.1	4.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.4	3.1
SE	.0	2.2	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	4.4
SSE	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.7
S	.0	2.7	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	3.8
SSW	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	2.0
SW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	1.3	9.7
WSW	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	2.5
W	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	2.5
WNW	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	8.5
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	1.8	.0	3.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1	5.4	6.6
CALM	.7	41.1													.7	41.1	
TOTAL	1.1	66.1	.5	29.5	.0	2.2	.0	1.3	.0	.9	.0	.0	.0	.0	1.6	100	3.5

POU POUGHKEEPSIE, NY

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: POU POUGHKEEPSIE, NY

CLASS 5 / DAY

NO. OBS.: 78

STATION NUMBER: 14757

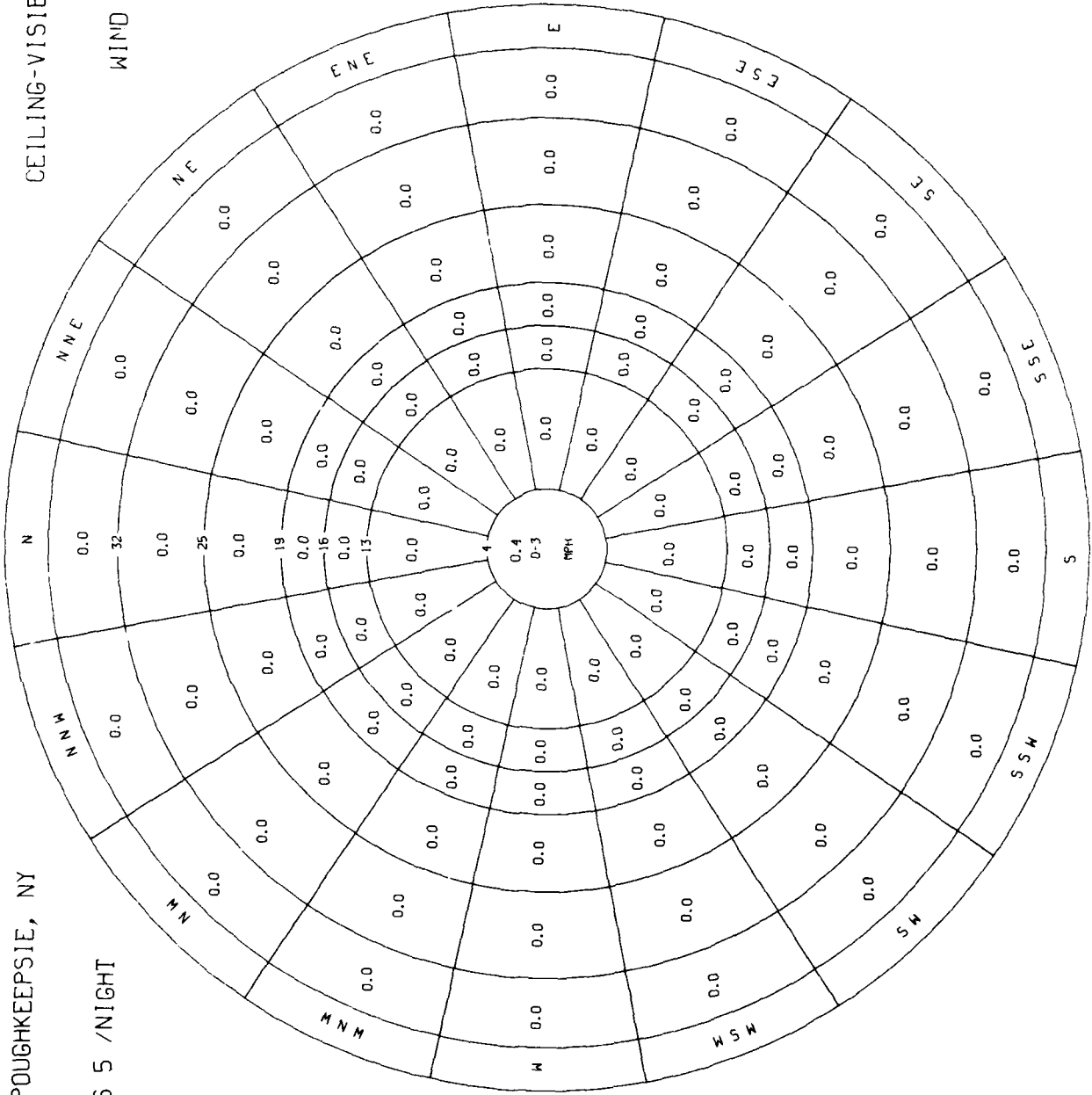
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	3.8	.0	7.7	.0	1.3	.0	2.6	.0	1.3	.0	.0	.0	.0	.0	.1	16.7	9.0
NNE	.0	3.8	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	5.2
NE	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.0
ENE	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.5
E	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	2.0
ESE	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	1.0
SE	.0	2.6	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	3.3
SSE	.0	1.3	.0	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	6.2
S	.0	1.3	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.0
SSW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	8.0
SW	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	6.5
WSW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.0
W	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	3.0
WNW	.0	1.3	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	7.0
NW	.0	2.6	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	4.6
NNW	.0	.0	.0	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	6.3
CALM	.1	32.1														.1	32.1	4.1
TOTAL	.2	57.7	.2	35.9	.0	2.6	.0	2.6	.0	1.3	.0	.0	.0	.0	.0	.4	100	

POU POUGHKEEPSIE, NY

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:POU POUGHKEEPSIE, NY

PERIOD: 1949-1978

CLASS 5 / NIGHT

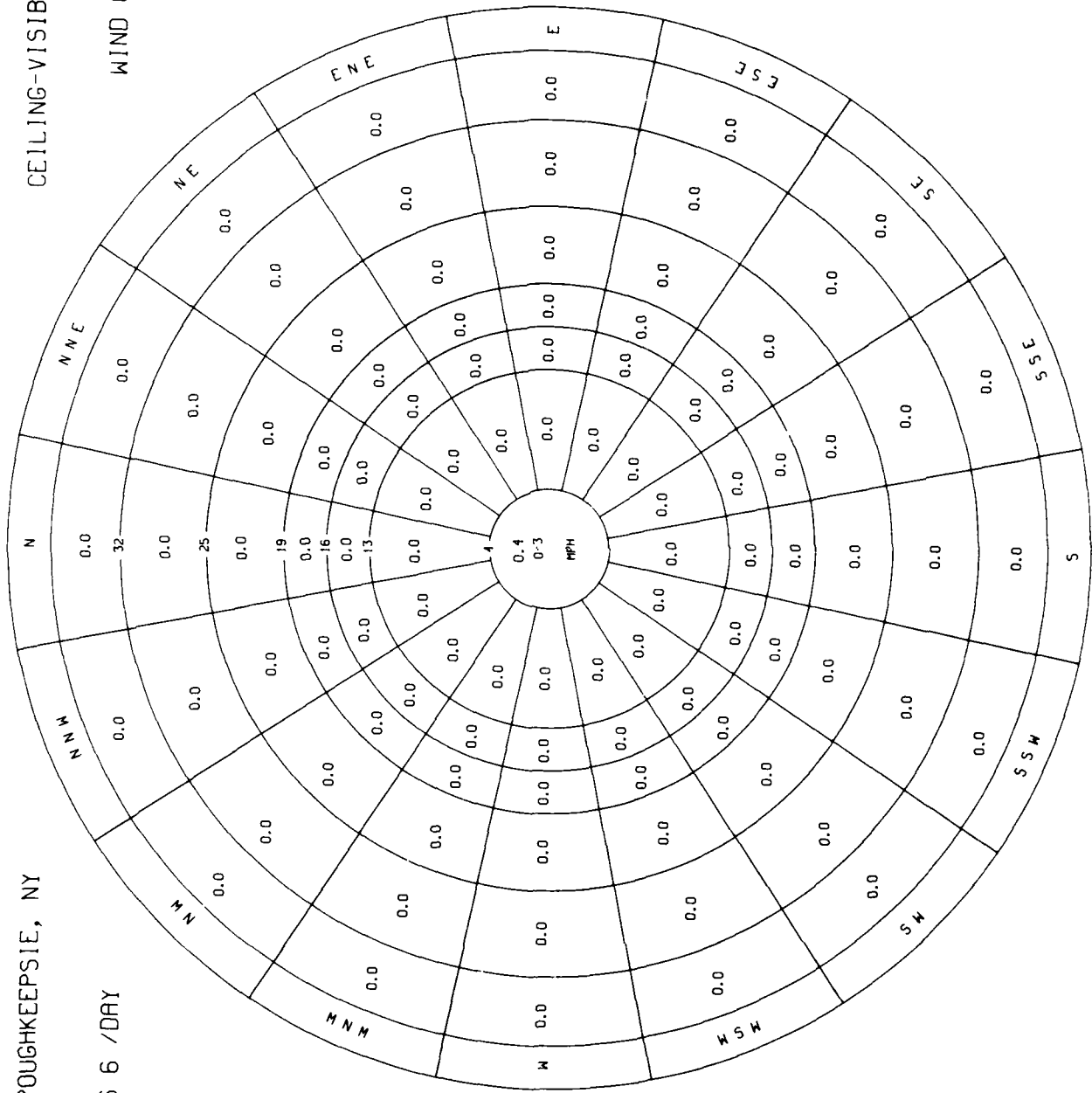
STATION NUMBER:14757

NO. OBS.: 73

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.4	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8
NNE	.0	1.4	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	2.7
NE	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
ENE	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
E	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
ESE	.0	2.7	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1
SE	.0	2.7	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1
SSE	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7
S	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
SSW	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7
SW	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
WSW	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
W	.0	2.7	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8
WNW	.0	1.4	.0	1.4	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	4.1
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	1.4	.0	2.7	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	5.5
CALM	.3	52.1													3 52.1
TOTAL	.4	74.0	.1	21.9	.0	.0	.0	2.7	.0	1.4	.0	.0	.0	.0	5 100
															2.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:POU POUGHKEEPSIE, NY

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER:14757

NO. OBS.: 95

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	5.3	.0	3.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	5.6
NNE	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.0
NE	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.5
ENE	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.0
E	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	4.8
ESE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.0
SE	.0	1.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	4.3
SSE	.0	3.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	3.2
S	.0	1.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.7
SSW	.0	1.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.7
SW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.0
WSW	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	1.1	23.0
WNW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.0
NW	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.0
NNW	.0	2.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	4.7
CALM	.3	54.7												.3	54.7		
TOTAL	.4	81.1	.1	16.8	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.5	100	2.2

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:POU POUGHKEEPSIE, NY

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 14757

NO. OBS.: 105

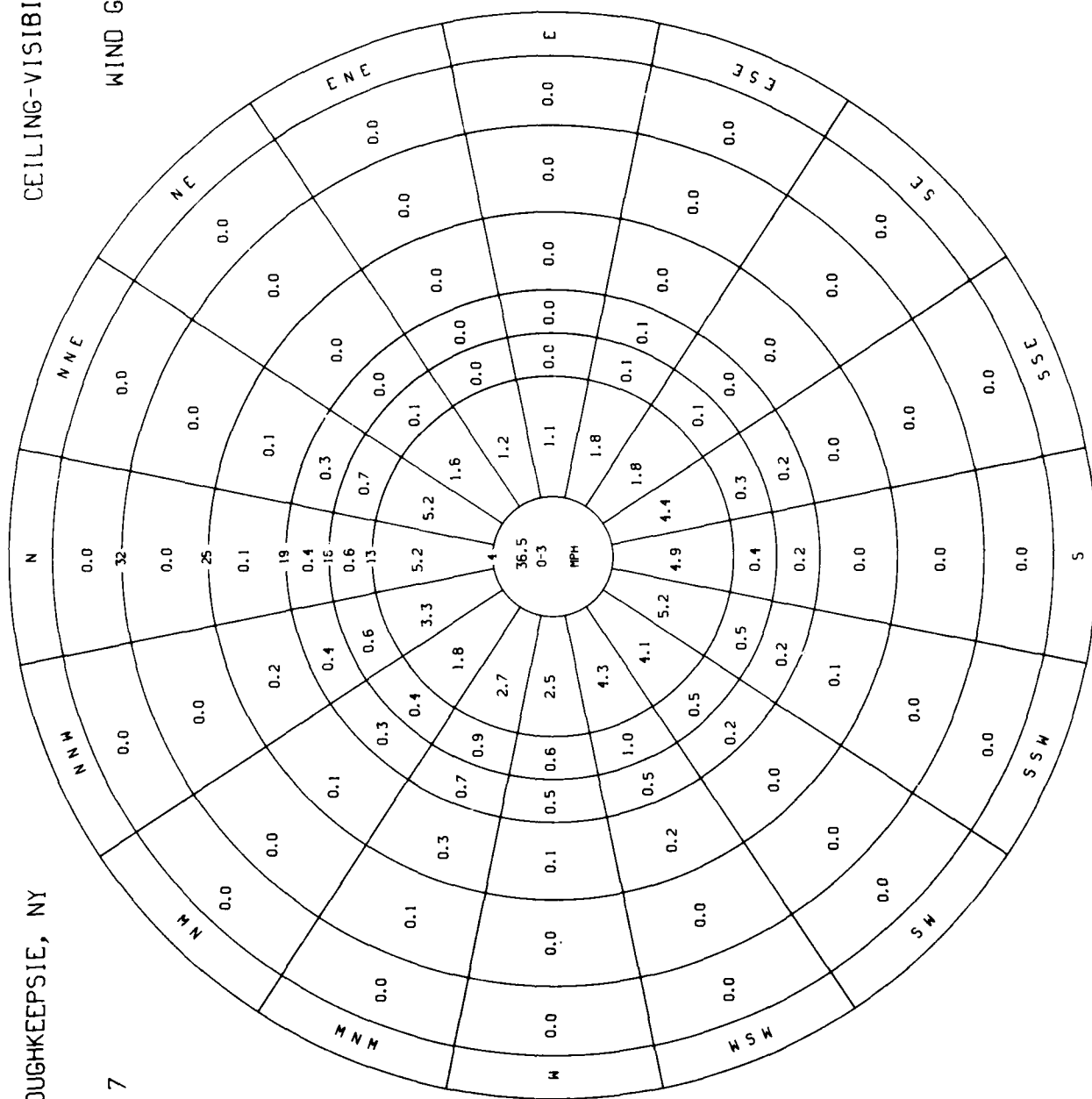
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8
NNE	.0	2.9	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	4.8
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
E	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8
ESE	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
S	.0	2.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
NW	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
NNW	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
CALM	.5	70.5													70.5
TOTAL	.7	92.4	.0	5.7	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	1.2

CEILING-VISIBILITY

WIND GRAPH

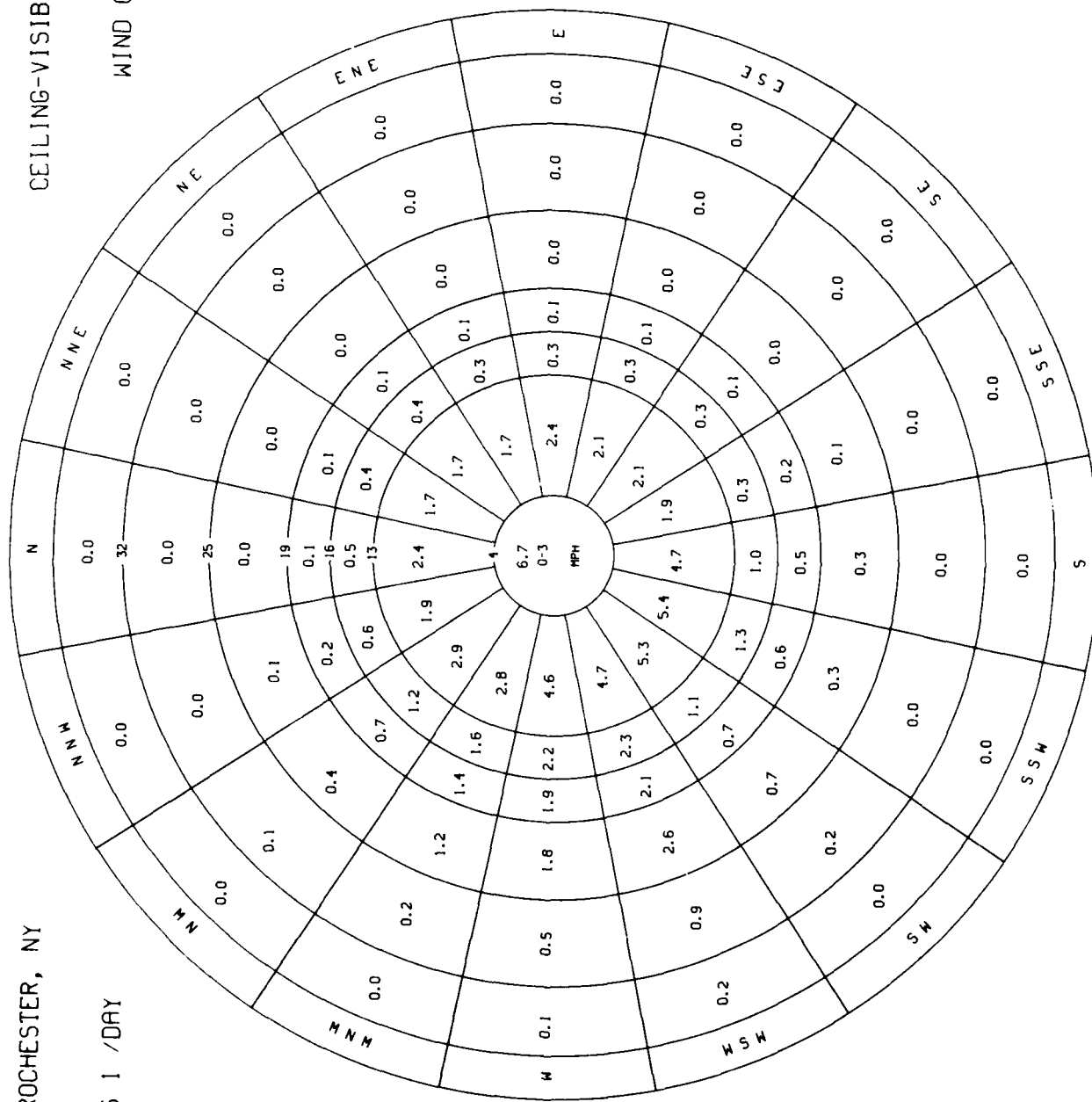
POU POUGHKEEPSIE, NY

CLASS 7



CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROC ROCHESTER, NY

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 14768

NO. OBS.: 43187

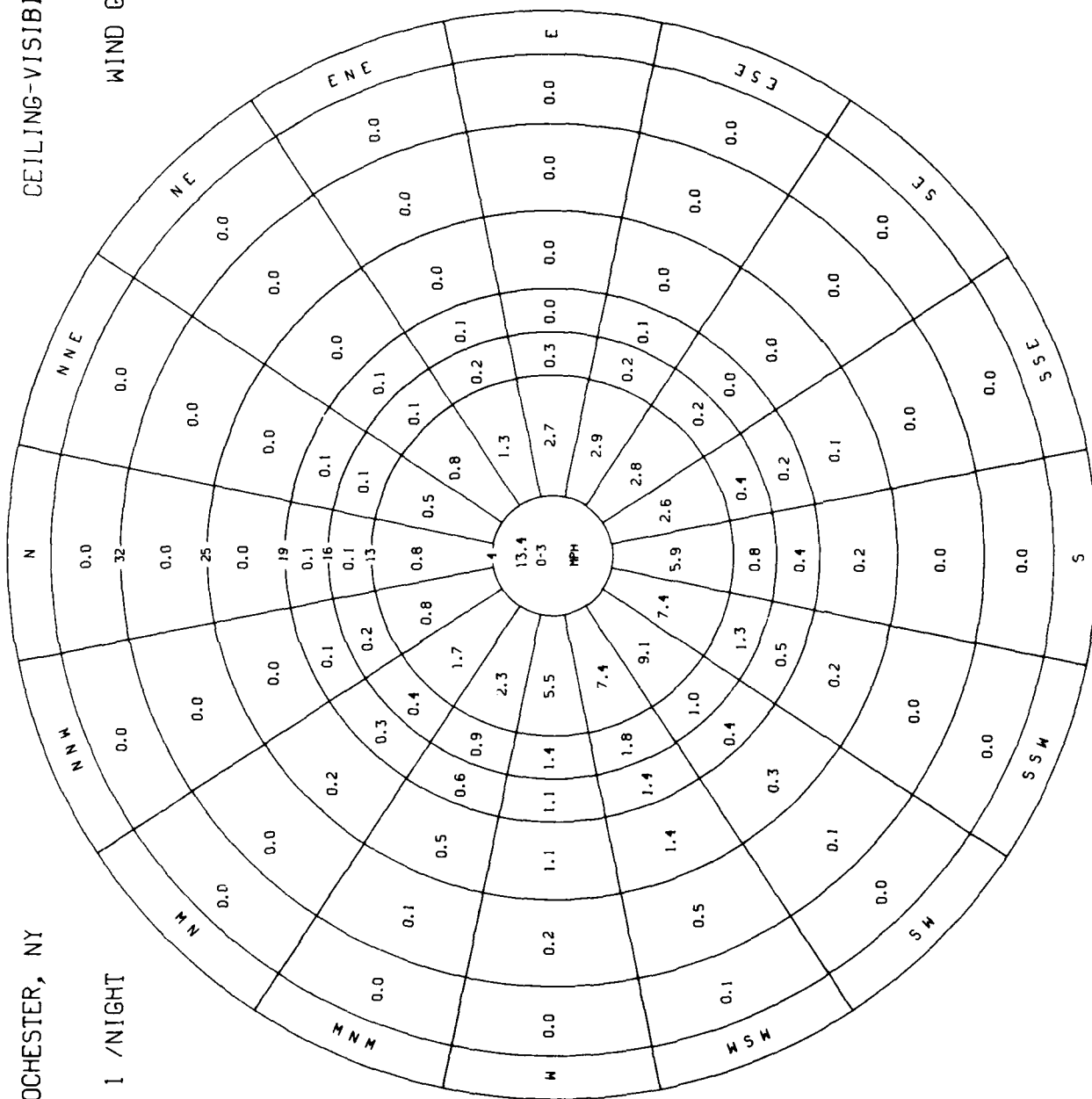
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.3	.3	2.4	2.8	.5	.6	.1	.1	.0	.0	.0	.0	.0	.0	3.3 3.8
NNE	.1	.1	1.7	2.0	.4	.4	.1	.1	.0	.1	.0	.0	.0	.0	2.4 2.7
NNE	.2	.3	1.7	2.0	.4	.4	.1	.2	.0	.1	.0	.0	.0	.0	2.5 2.9
ENE	.2	.2	1.7	2.0	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.4 2.7
E	.3	.4	2.4	2.8	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	3.2 3.6
ESE	.3	.4	2.1	2.4	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.9 3.3
SE	.5	.6	2.1	2.4	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.0 3.4
SSE	.4	.4	1.9	2.2	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.9 3.3
S	.9	1.0	4.7	5.3	1.0	1.2	.5	.6	.3	.3	.0	.0	.0	.0	7.4 8.4
SSW	.5	.6	5.4	6.1	1.3	1.5	.6	.7	.3	.4	.0	.0	.0	.0	8.2 9.3
SW	.7	.8	5.3	6.0	1.1	1.3	.7	.8	.7	.8	.2	.2	.0	.0	8.7 9.9
WSW	.4	.5	4.7	5.4	2.3	2.6	2.1	2.4	2.6	3.0	.9	1.1	.2	.3	13.3 15.1
W	.4	.5	4.6	5.2	2.2	2.5	1.9	2.1	1.8	2.0	.5	.5	.1	.1	11.4 12.9
WNW	.2	.2	2.8	3.1	1.6	1.8	1.4	1.6	1.2	1.3	.2	.2	.0	.0	7.3 8.3
NW	.2	.3	2.9	3.3	1.2	1.3	.7	.8	.4	.4	.1	.1	.0	.0	5.4 6.1
NNW	.1	.2	1.9	2.2	.6	.7	.2	.2	.1	.1	.0	.0	.0	.0	2.9 3.3
CALM	.9	1.0													.9 1.0
TOTAL	6.7	7.6	48.4	55.0	14.1	16.0	9.0	10.2	7.7	8.7	1.9	2.1	.3	.4	88.1 100 11.3

CEILING-VISIBILITY

WIND GRAPH

ROC ROCHESTER, NY

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROC ROCHESTER, NY

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 14768

NO. OBS.: 36500

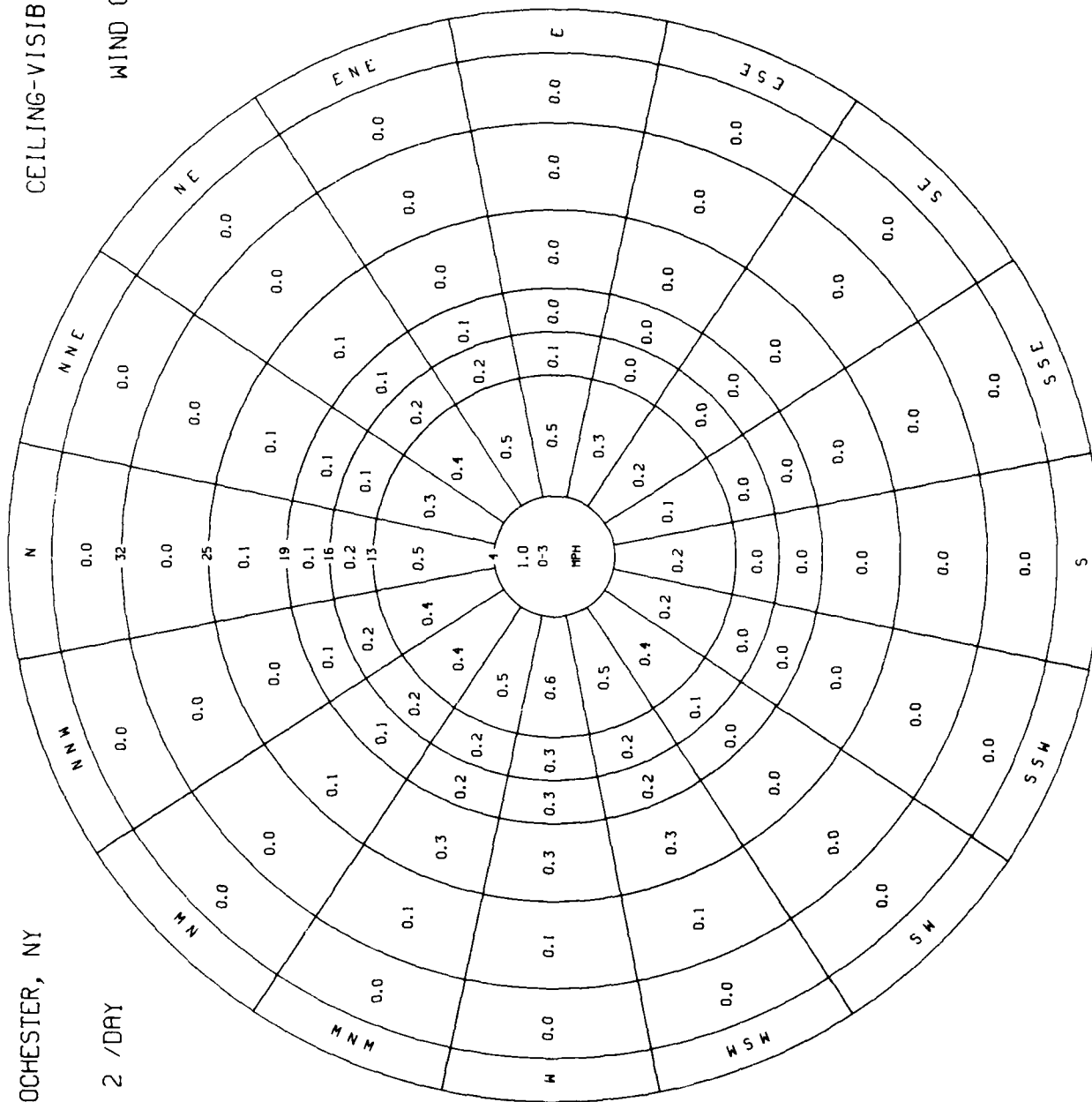
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.2	.2	.8	.9	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.2	1.4	8.6
NNE	.1	.1	.5	.6	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.8	1.0	9.4
NE	.2	.2	.8	.9	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.2	1.3	8.8
ENE	.2	.2	1.3	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.8	2.0	8.7
E	.6	.6	2.7	3.1	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.1	7.5
ESE	.6	.7	2.9	3.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.9	4.4	7.3
SE	1.0	1.1	2.8	3.2	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	4.0	4.6	6.4
SSE	.7	.8	2.6	2.9	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.9	4.4	7.9
S	2.0	2.2	5.9	6.7	.8	.9	.4	.5	.2	.2	.0	.0	.0	.0	9.2	10.5	7.8
SSW	1.2	1.4	7.4	8.4	1.3	1.5	.5	.6	.2	.2	.0	.0	.0	.0	10.6	12.1	8.9
SW	1.8	2.0	9.1	10.3	1.0	1.1	.4	.5	.3	.4	.1	.1	.0	.0	12.7	14.5	8.3
WSW	.9	1.0	7.4	8.4	1.8	2.0	1.4	1.6	1.4	1.6	.5	.5	.1	.2	13.5	15.4	11.9
W	.6	.7	5.5	6.2	1.4	1.6	1.1	1.2	1.1	1.2	.2	.3	.0	.0	10.0	11.4	11.8
WNW	.2	.3	2.3	2.6	.9	1.0	.6	.7	.5	.5	.1	.1	.0	.0	4.6	5.2	12.1
NW	.3	.3	1.7	1.9	.4	.5	.3	.3	.2	.2	.0	.0	.0	.0	2.9	3.2	10.5
NNW	.1	.2	.8	.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.2	1.4	9.3
CALM	2.8	3.1													2.8	3.1	
TOTAL	13.4	15.2	54.3	61.8	9.4	10.7	5.4	6.2	4.1	4.7	1.0	1.1	.2	.2	87.9	100	9.1

CEILING-VISIBILITY

WIND GRAPH

ROC ROCHESTER, NY

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROC ROCHESTER, NY

PERIOD: 1948-1978

CLASS 2 / DAY

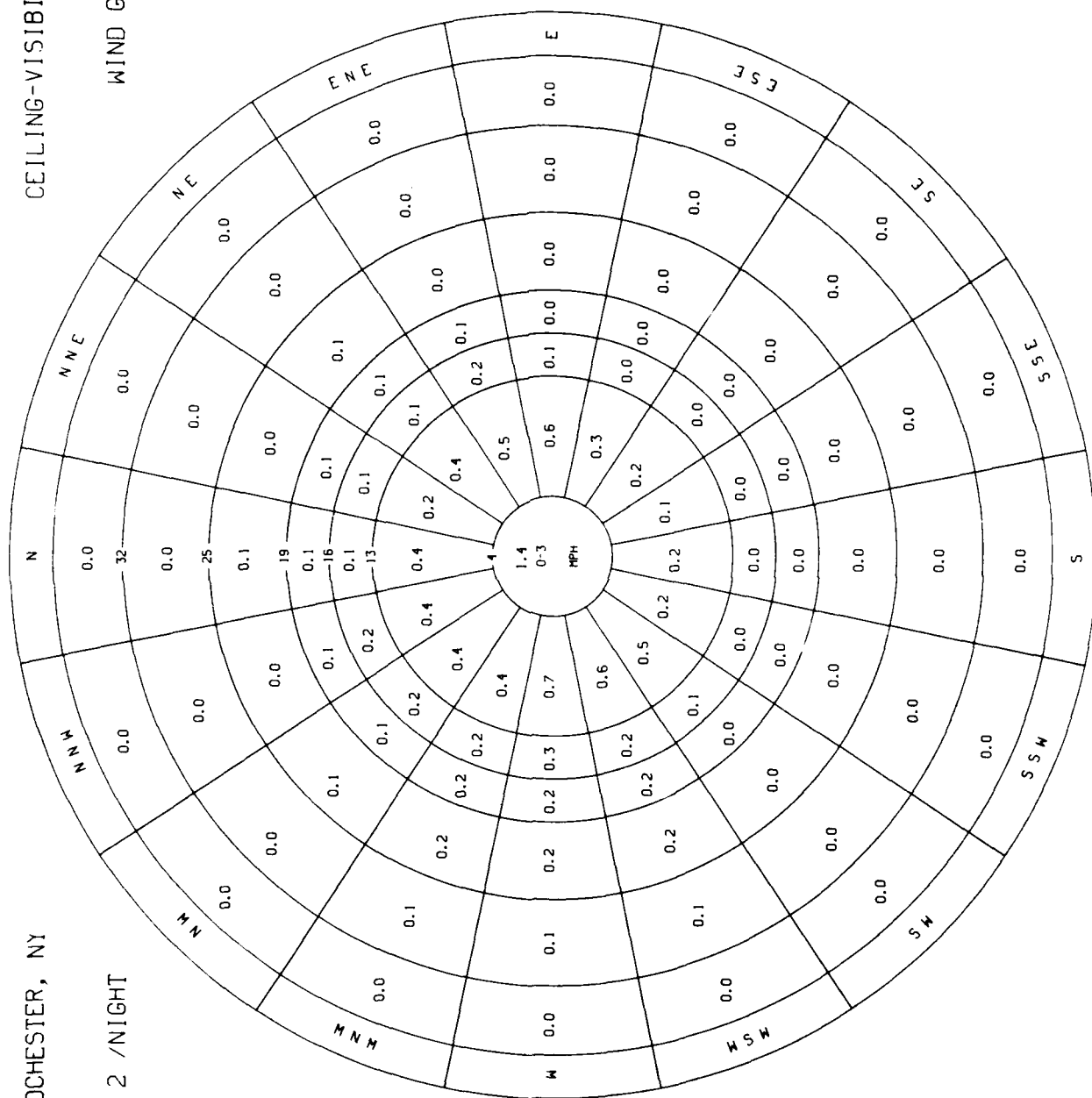
STATION NUMBER: 14768

NO. OBS.: 5847

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.4	.5	3.8	.2	1.5	.1	.9	.1	.6	.0	.0	.0	.0	.9 7.2
NNE	.0	.2	.3	2.4	.1	1.2	.1	.6	.1	.6	.0	.1	.0	.0	.6 5.1
NE	.0	.4	.4	3.2	.2	1.3	.1	1.0	.1	.5	.0	.0	.0	.0	.8 6.4
ENE	.1	.5	.5	3.9	.2	1.3	.1	.5	.0	.2	.0	.0	.0	.0	.8 6.5
E	.1	.4	.5	4.4	.1	.9	.0	.4	.0	.1	.0	.0	.0	.0	.7 6.2
ESE	.0	.4	.3	2.4	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.4
SE	.1	.6	.2	1.8	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.7
SSE	.0	.4	.1	.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.4
S	.1	.7	.2	2.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.1
SSW	.1	.5	.2	2.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.0
SW	.1	.7	.4	3.7	.1	.5	.0	.2	.0	.3	.0	.1	.0	.0	.7 5.5
WSW	.0	.3	.5	4.4	.2	2.1	.2	1.9	.3	2.1	.1	.8	.0	.2	1.4 11.9
W	.1	.6	.6	4.7	.3	2.5	.3	2.2	.3	2.4	.1	.8	.0	.1	1.6 13.3
WNW	.0	.3	.5	3.9	.2	2.0	.2	1.6	.3	2.1	.1	.7	.0	.0	1.3 10.6
NW	.0	.3	.4	3.3	.2	1.4	.1	.6	.1	.9	.0	.2	.0	.0	.8 6.7
NNW	.0	.3	.4	3.2	.2	1.3	.1	.5	.0	.3	.0	.1	.0	.0	.7 5.6
CALM	.2	1.4													.2 1.4
TOTAL	1.0	8.3	6.0	50.0	2.0	17.0	1.3	11.1	1.2	10.2	.4	3.0	.1	.4	11.9 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROC ROCHESTER, NY

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 14768

NO. OBS.: 5029

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.4	.4	3.2	.1	1.1	.1	.8	.1	.6	.0	.0	.0	.0	.7	6.0	11.7
NNE	.0	.3	.2	2.0	.1	1.1	.1	.8	.0	.4	.0	.1	.0	.0	.6	4.6	12.6
NE	.0	.2	.4	3.0	.1	1.2	.1	.8	.1	.4	.0	.1	.0	.0	.7	5.7	11.9
ENE	.1	.5	.5	4.2	.2	1.4	.1	.6	.0	.2	.0	.0	.0	.0	.8	6.9	10.6
E	.1	.8	.6	4.7	.1	1.0	.0	.2	.0	.1	.0	.0	.0	.0	.8	6.8	8.9
ESE	.1	.6	.3	2.4	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.4	3.5	8.1
SE	.1	.7	.2	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.5	6.6
SSE	.1	.5	.1	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	6.8
S	.1	1.0	.2	1.6	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.7	6.1
SSW	.1	.8	.2	1.7	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.4	3.0	7.8
SW	.1	1.1	.5	4.3	.1	.6	.0	.3	.0	.2	.0	.1	.0	.0	.8	6.7	8.7
WSW	.1	.9	.6	5.0	.2	2.0	.2	1.5	.2	1.9	.1	.8	.0	.2	1.5	12.2	13.7
W	.1	.5	.7	5.9	.3	2.4	.2	1.9	.2	1.9	.1	.5	.0	.2	1.6	13.3	13.5
WNW	.0	.3	.4	3.4	.2	1.7	.2	1.4	.2	1.7	.1	.5	.0	.1	1.1	9.2	14.3
NW	.0	.3	.4	3.7	.2	1.4	.1	1.1	.1	.7	.0	.2	.0	.0	.9	7.4	12.2
NNW	.0	.3	.4	3.3	.2	1.3	.1	.5	.0	.4	.0	.0	.0	.0	.7	5.6	11.2
CALM	.3	2.2													.3	2.2	
TOTAL	1.4	11.2	6.2	50.8	2.0	16.3	1.2	10.3	1.0	8.6	.3	2.2	.1	.5	12.1	100	11.1

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROC ROCHESTER, NY

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 14768

NO. OBS.: 4876

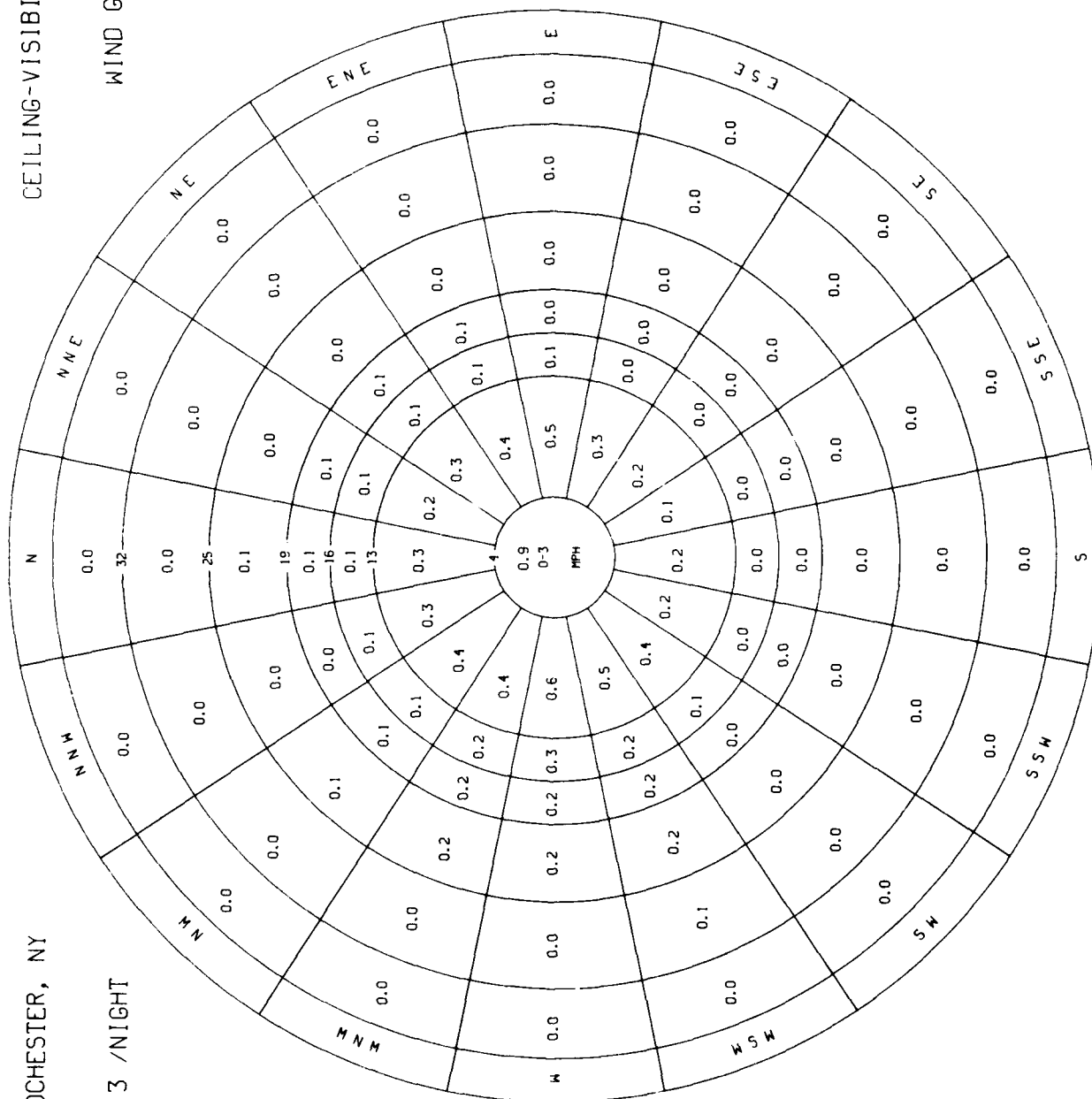
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.0	.3	.4	3.7	.2	1.5	.1	.8	.0	.4	.0	.0	.0	.0	.0	.7	6.7	11.1
NNE	.0	.2	.2	2.4	.1	1.2	.1	.6	.1	.5	.0	.1	.0	.0	.0	.5	4.9	12.4
NE	.0	.4	.3	3.2	.1	1.4	.1	.9	.0	.3	.0	.0	.0	.0	.0	.6	6.2	11.6
ENE	.0	.5	.4	3.7	.1	1.2	.0	.5	.0	.2	.0	.0	.0	.0	.0	.6	6.1	10.5
E	.0	.4	.5	4.6	.1	.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.6	6.3	9.5
ESE	.0	.4	.2	2.4	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.3	3.5	9.1
SE	.1	.6	.2	1.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	2.8	7.5
SSE	.0	.3	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	1.3	7.6
S	.1	.7	.2	1.8	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	3.0	7.4
SSW	.0	.5	.2	2.3	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.3	3.3	8.7
SW	.1	.6	.4	3.8	.1	.5	.0	.2	.0	.3	.0	.1	.0	.0	.0	.6	5.5	9.5
WSW	.0	.2	.5	4.6	.2	2.4	.2	2.2	.2	2.3	.1	.9	.0	.2	.0	1.3	12.8	15.0
W	.0	.4	.5	5.3	.3	2.8	.2	2.3	.2	2.4	.1	.6	.0	.1	.0	1.4	13.8	14.2
WNW	.0	.3	.4	4.2	.2	2.2	.2	1.7	.2	2.0	.0	.4	.0	.0	.0	1.1	10.7	14.1
NW	.0	.2	.3	3.3	.1	1.4	.1	.6	.1	.7	.0	.1	.0	.0	.0	.6	6.5	12.4
NNW	.0	.2	.3	3.0	.1	1.3	.1	.6	.0	.2	.0	.0	.0	.0	.0	.5	5.3	11.2
CALM	.1	1.2														.1	1.2	
TOTAL	.7	7.4	5.1	51.0	1.8	17.9	1.1	11.3	1.0	9.7	.2	2.3	.0	.4	.0	9.9	100	11.8

CEILING-VISIBILITY

WIND GRAPH

ROC ROCHESTER, NY

CLASS 3 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROC ROCHESTER, NY

PERIOD: 1948-1978

CLASS 3 / NIGHT

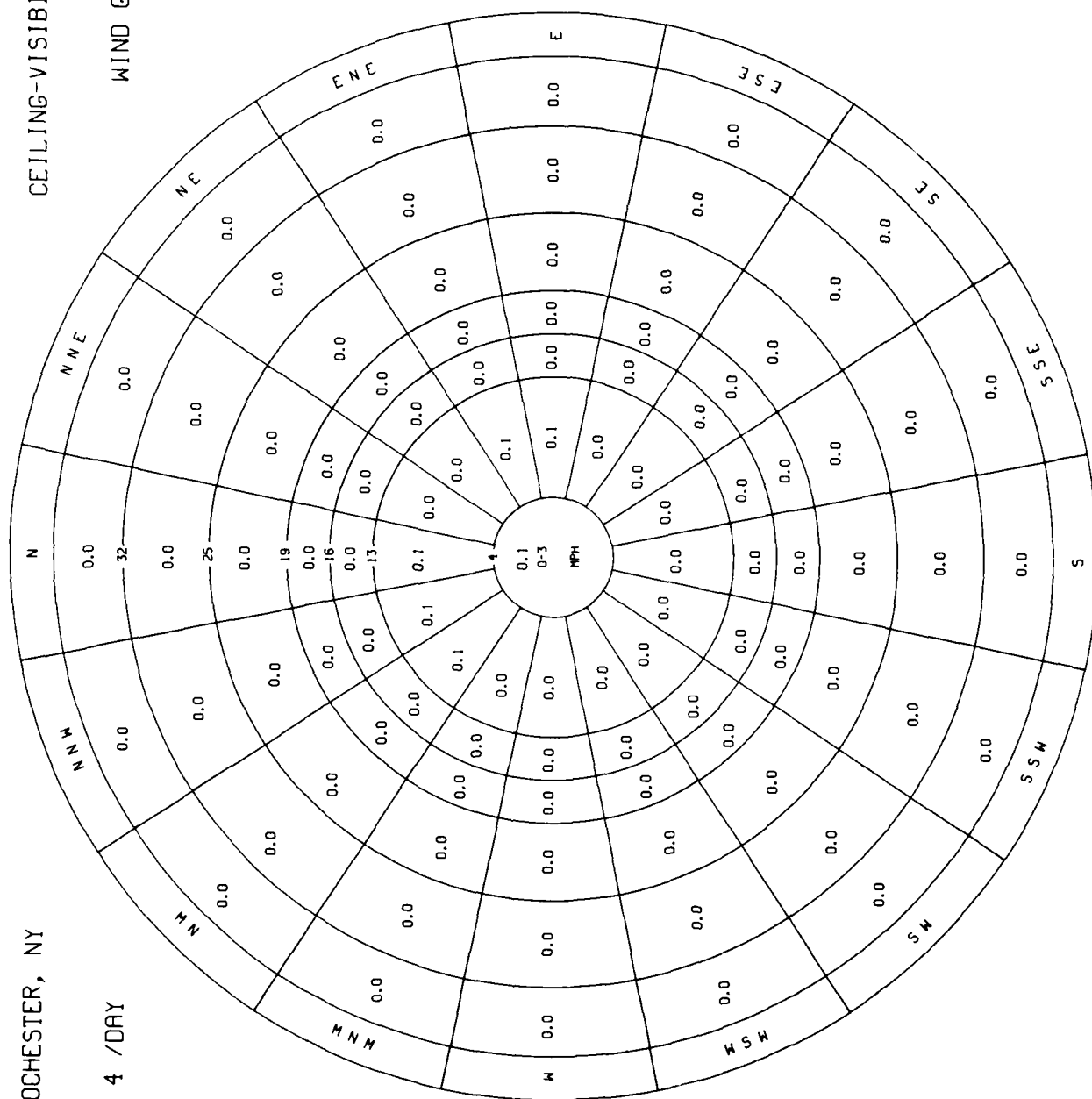
STATION NUMBER: 14768

NO. OBS.: 4172

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.4	.3	2.9	.1	1.2	.1	.8	.1	.5	.0	.0	.0	.0	.6 5.7
NNE	.0	.3	.2	2.1	.1	1.1	.1	.8	.0	.3	.0	.1	.0	.0	.5 4.6
NE	.0	.1	.3	2.8	.1	1.2	.1	.9	.0	.4	.0	.1	.0	.0	.5 5.5
ENE	.0	.4	.4	4.0	.1	1.4	.1	.6	.0	.2	.0	.0	.0	.0	.7 6.6
E	.1	.8	.5	4.6	.1	1.0	.0	.2	.0	.1	.0	.0	.0	.0	.7 6.6
ESE	.1	.5	.3	2.6	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.6
SE	.1	.5	.2	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.5
SSE	.0	.5	.1	1.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.7
S	.1	.7	.2	1.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.7
SSW	.1	.7	.2	1.8	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.3 3.1
SW	.1	.9	.4	4.3	.1	.8	.0	.4	.0	.3	.0	.1	.0	.0	.7 6.8
WSW	.1	.7	.5	5.3	.2	2.3	.2	1.8	.2	2.1	.1	.8	.0	.2	1.3 13.3
W	.1	.5	.6	6.1	.3	2.8	.2	2.2	.2	2.0	.0	.3	.0	.1	1.4 14.0
WNW	.0	.2	.4	3.5	.2	1.9	.2	1.6	.2	1.7	.0	.4	.0	.0	.9 9.3
NW	.0	.3	.4	3.6	.1	1.4	.1	1.3	.1	.7	.0	.1	.0	.0	.7 7.4
NNW	.0	.2	.3	3.2	.1	1.1	.0	.4	.0	.4	.0	.0	.0	.0	.5 5.4
CALM	.1	1.3													.1 1.3
TOTAL	.9	9.0	5.2	51.4	1.7	17.2	1.1	11.3	.9	8.7	.2	1.9	.0	.4	10.0 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROC ROCHESTER, NY

PERIOD: 1948-1978

CLASS 4 / DAY

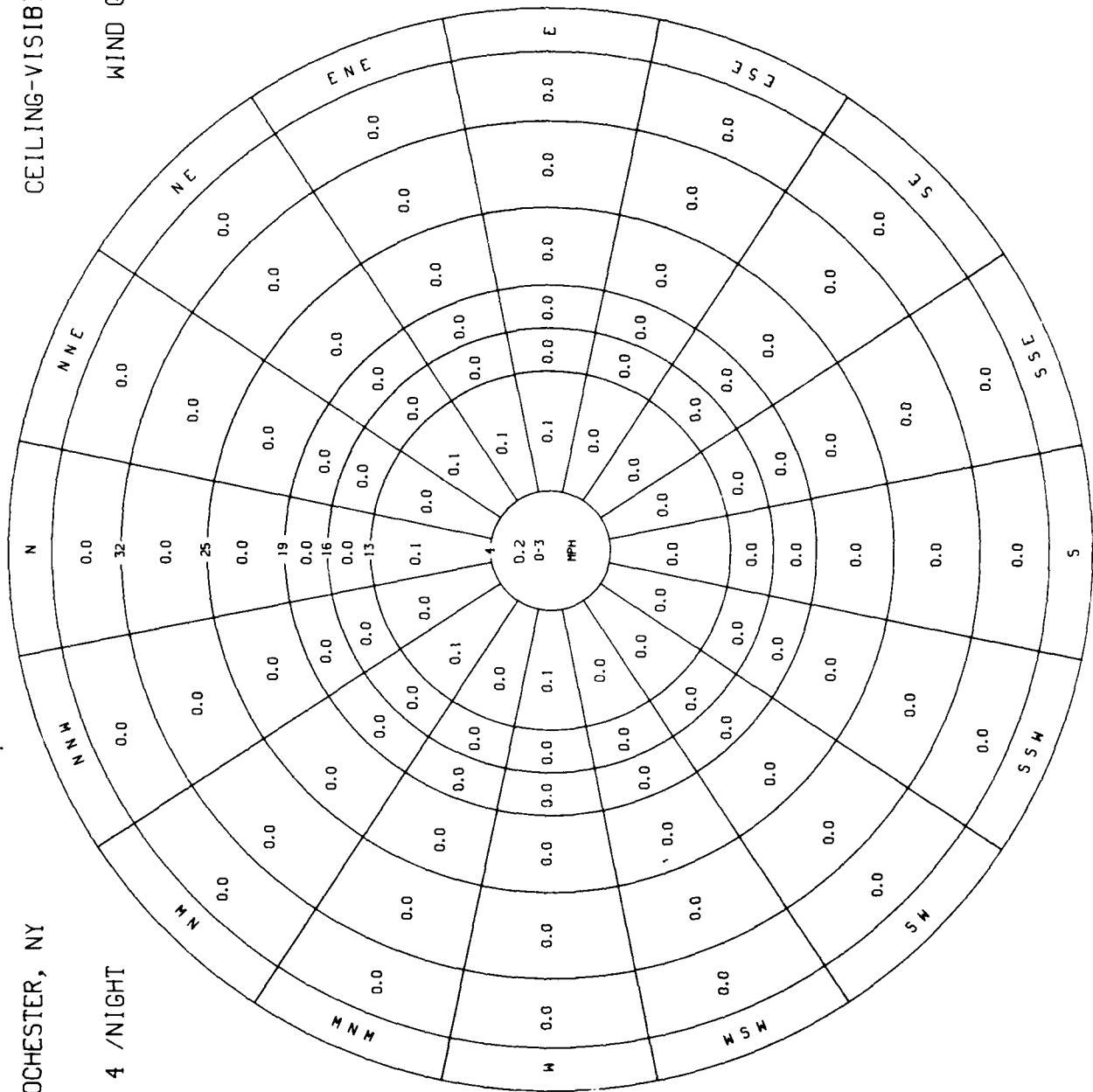
STATION NUMBER: 14768

NO. OBS.: 749

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.9	.1	5.1	.0	1.5	.0	1.6	.0	1.5	.0	.0	.0	.0	.2 10.5
NNE	.0	.0	.0	2.9	.0	1.6	.0	.8	.0	1.1	.0	.4	.0	.0	.1 6.8
NE	.0	.3	.0	2.9	.0	1.5	.0	1.5	.0	1.1	.0	.0	.0	.0	.1 7.2
ENE	.0	.8	.1	5.7	.0	1.7	.0	.9	.0	.3	.0	.0	.0	.0	.1 9.5
E	.0	.4	.1	4.1	.0	1.5	.0	.7	.0	.0	.0	.0	.0	.0	.1 6.7
ESE	.0	.3	.0	2.1	.0	.7	.0	.0	.0	.3	.0	.0	.0	.0	.1 3.3
SE	.0	.7	.0	1.3	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0 2.4
SSE	.0	.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
S	.0	.4	.0	2.5	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.1 3.6
SSW	.0	.3	.0	.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0 .9
SW	.0	1.1	.0	2.3	.0	.1	.0	.3	.0	.1	.0	.1	.0	.0	.1 4.0
WSW	.0	.3	.0	2.7	.0	.7	.0	.7	.0	1.5	.0	.7	.0	.3	.1 6.7
W	.0	.8	.0	1.7	.0	1.6	.0	1.9	.0	2.1	.0	1.5	.0	.4	.2 10.0
WNW	.0	.3	.0	2.9	.0	.9	.0	1.3	.0	2.3	.0	1.9	.0	.1	.1 9.7
NW	.0	.1	.1	3.5	.0	1.5	.0	.7	.0	1.9	.0	.5	.0	.0	.1 8.1
NNW	.0	.4	.1	4.0	.0	1.1	.0	.5	.0	.9	.0	.1	.0	.0	.1 7.1
CALM	.0	1.3													.0 1.3
TOTAL	.1	8.8	.7	45.9	.2	14.8	.2	11.2	.2	13.2	.1	5.2	.0	.8	1.5 10.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROC ROCHESTER, NY

PERIOD: 1948-1978

CLASS 4 / NIGHT

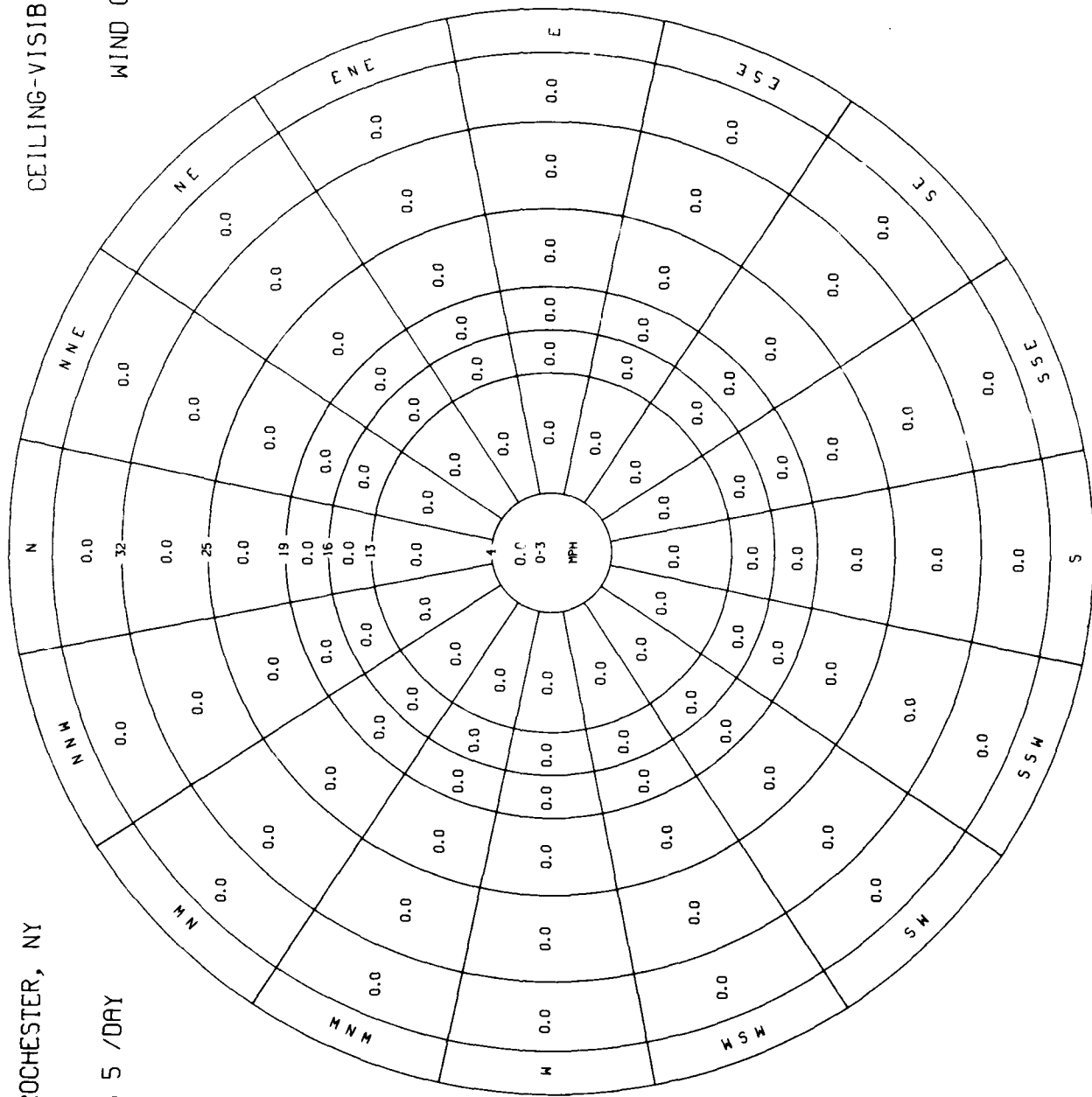
STATION NUMBER: 14768

NO. OBS.: 584

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.5	.1	4.1	.0	1.4	.0	.9	.0	.7	.0	.0	.0	.0	.1 7.5
NNE	.0	.2	.0	1.5	.0	1.2	.0	1.0	.0	.9	.0	.0	.0	.2	.1 5.0
NE	.0	.5	.1	4.5	.0	1.4	.0	1.0	.0	.7	.0	.2	.0	.0	.1 8.2
ENE	.0	.7	.1	6.2	.0	2.2	.0	.5	.0	.7	.0	.0	.0	.0	.1 10.3
E	.0	.5	.1	6.3	.0	1.7	.0	.2	.0	.2	.0	.0	.0	.0	.1 8.9
ESE	.0	1.2	.0	1.5	.0	.5	.0	.2	.0	.2	.0	.0	.0	.0	.1 3.6
SE	.0	.7	.0	1.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0 2.2
SSE	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.0
S	.0	.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
SSW	.0	1.0	.0	.9	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0 2.2
SW	.0	.9	.0	2.6	.0	.0	.0	.0	.0	.2	.0	.2	.0	.0	.1 3.8
WSW	.0	1.4	.0	2.7	.0	.5	.0	.0	.0	1.4	.0	.7	.0	.2	.1 6.8
W	.0	.3	.1	4.5	.0	.3	.0	.7	.0	2.4	.0	1.2	.0	.0	.1 9.4
WNW	.0	.9	.0	3.1	.0	1.5	.0	.7	.0	1.7	.0	1.2	.0	.3	.1 9.4
NW	.0	.2	.1	4.8	.0	1.9	.0	.5	.0	1.0	.0	.2	.0	.0	.1 8.6
NNW	.0	.5	.0	3.4	.0	2.6	.0	.9	.0	.2	.0	.0	.0	.0	.1 7.5
CALM	.1	4.8													.1 4.8
TOTAL	.2	15.4	.7	47.8	.2	15.4	.1	6.8	.1	10.3	.1	3.6	.0	.7	1.4 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROC ROCHESTER, NY

PERIOD: 1948-1978

STATION NUMBER: 14768

NO. OBS.: 120

CLASS 5 / DAY

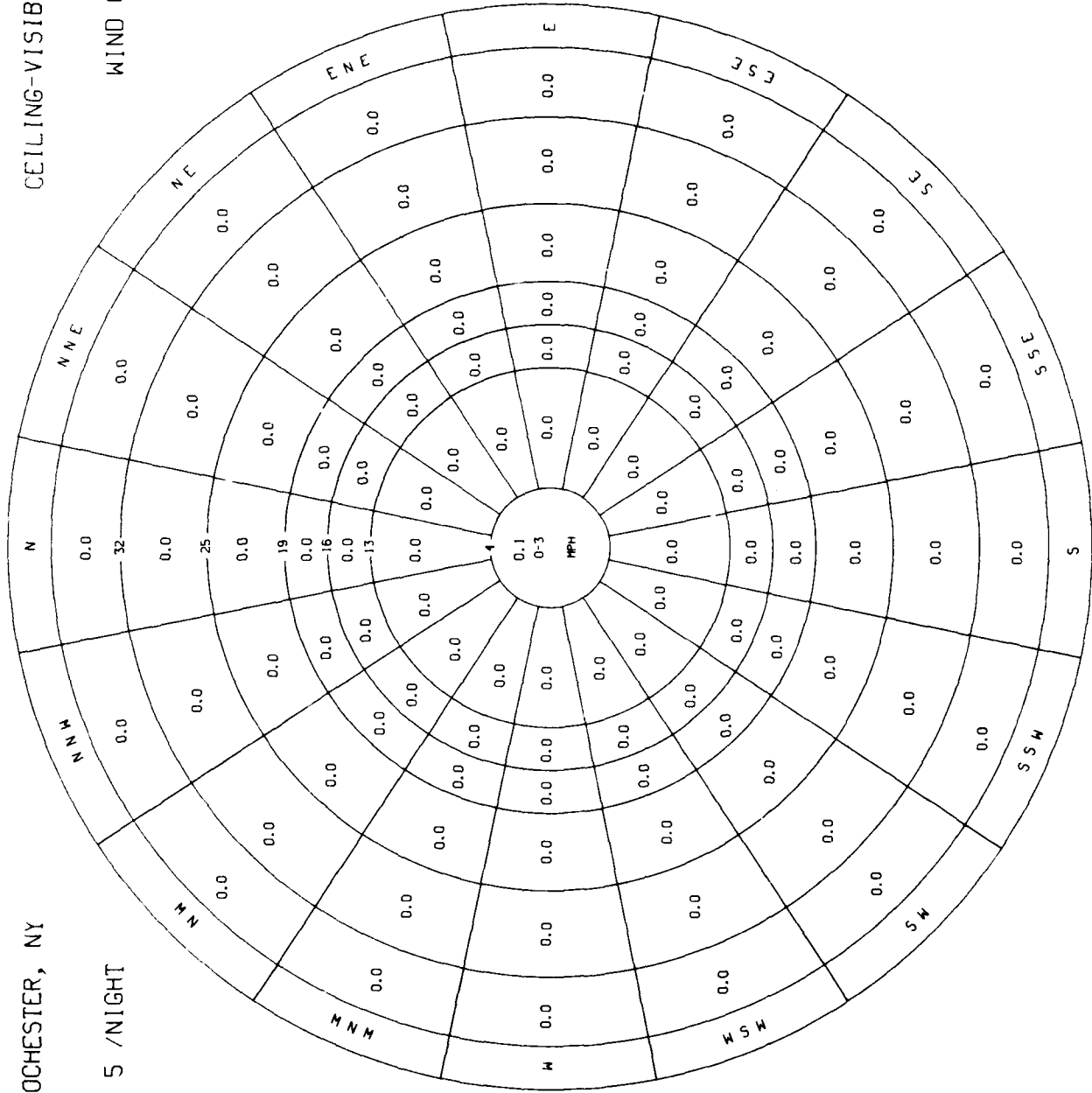
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.0	.0	2.5	.0	.8	.0	2.5	.0	1.7	.0	.0	.0	.0	.0	7.5	14.2
NNE	.0	.8	.0	1.7	.0	.0	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	5.8	14.7
NE	.0	1.7	.0	5.8	.0	.0	.0	2.5	.0	2.5	.0	.0	.0	.0	.0	12.5	12.1
ENE	.0	1.7	.0	2.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	7.0
E	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.3
ESE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0
SE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.5
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.7	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	4.7
SSW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.5
SW	.0	1.7	.0	5.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	7.5	6.9
WSW	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	4.2	11.4
W	.0	2.5	.0	2.5	.0	.0	.0	1.7	.0	5.0	.0	5.8	.0	.0	.0	17.5	18.6
WNW	.0	.0	.0	2.5	.0	.8	.0	.0	.0	5.8	.0	4.2	.0	.8	.0	14.2	21.8
NW	.0	.0	.0	3.3	.0	.0	.0	.8	.0	.8	.0	.8	.0	.0	.0	5.8	14.0
NNW	.0	.0	.0	5.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	8.1
CALM	.0	5.0													.0	5.0	
TOTAL	.0	15.8	.1	40.8	.0	3.3	.0	9.2	.0	18.3	.0	11.7	.0	.8	.2	100	12.9

ROC ROCHESTER, NY

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FOC ROCHESTER, NY

PERIOD: 1948-1978

CLASS 5 / NIGHT

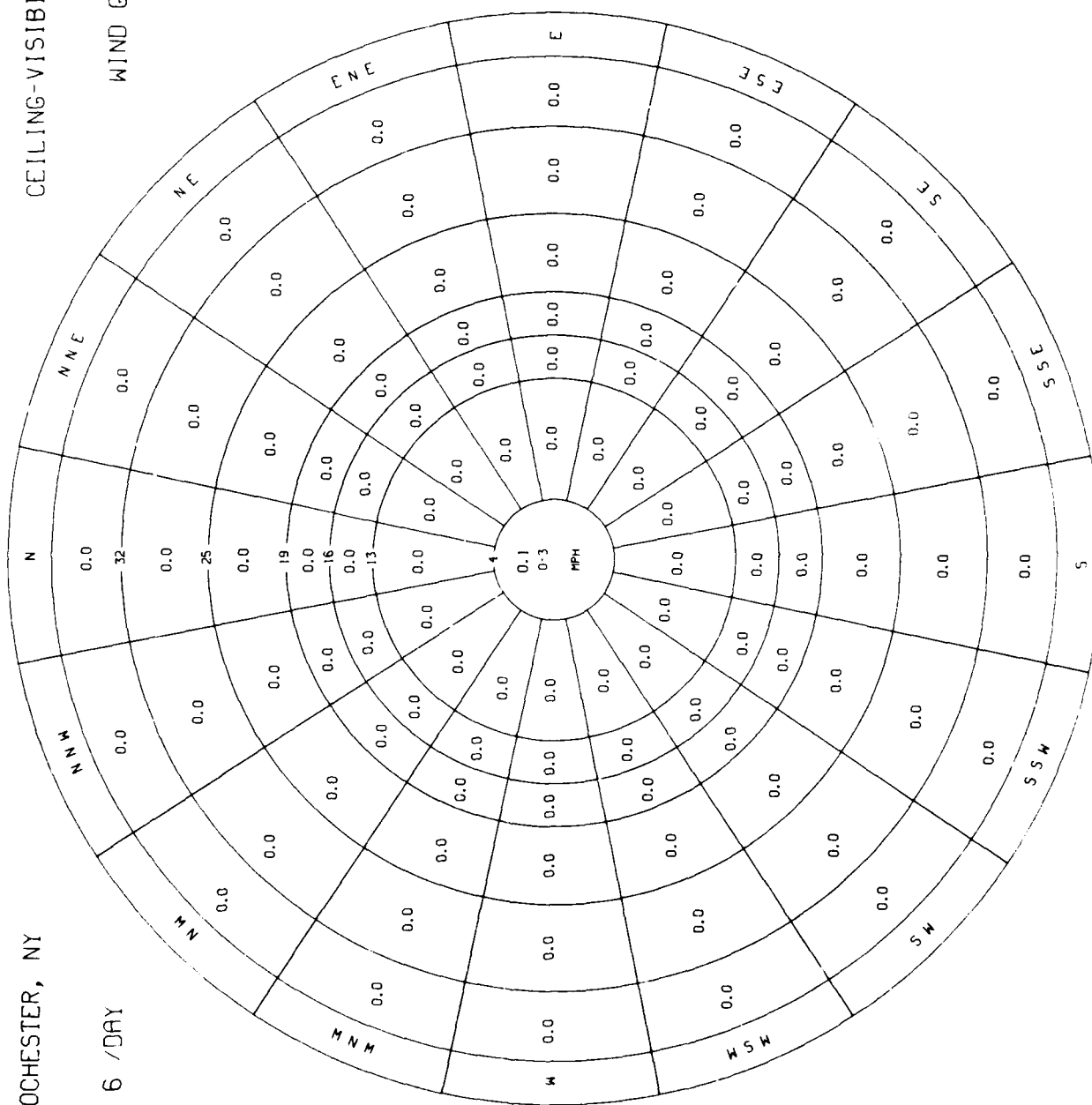
STATION NUMBER: 14768

NO. OBS.: 121

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	6.6	.0	.8	.0	.8	.0	.8	.0	.0	.0	.0	.0 9.1
NNE	.0	.8	.0	4.1	.0	1.7	.0	.8	.0	.0	.0	.0	.0	.0	.0 7.4
NE	.0	1.7	.0	5.8	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0 9.1
ENE	.0	1.7	.0	5.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.4
E	.0	2.5	.0	2.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.8
ESE	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SE	.0	2.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
SSE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
S	.0	3.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.1
SSW	.0	1.7	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
SW	.0	4.1	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.4
WSW	.0	1.7	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.6
W	.0	1.7	.0	4.1	.0	1.7	.0	.0	.0	.8	.0	.8	.0	.8	.0 9.9
WNW	.0	.8	.0	1.7	.0	.8	.0	.8	.0	1.7	.0	1.7	.0	.0	.0 7.4
NW	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.8	.0	.8	.0	.0	.0 5.8
NNW	.0	.8	.0	4.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.8
CALM	.0	5.8													.0 5.8
TOTAL	.1	28.9	.1	50.4	.0	8.3	.0	2.5	.0	5.8	.0	3.3	.0	.8	.3 100
															8.5

CEILING-VISIBILITY

WIND GRAPH



AD-A108 156

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(U)

JUN 81

DOT-FA79WAI-057

ML

UNCLASSIFIED

5 OF 5
PAGE 1

END

DATE

FORMED

ETIC

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROC ROCHESTER, NY

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 14768

NO. OBS.: 102

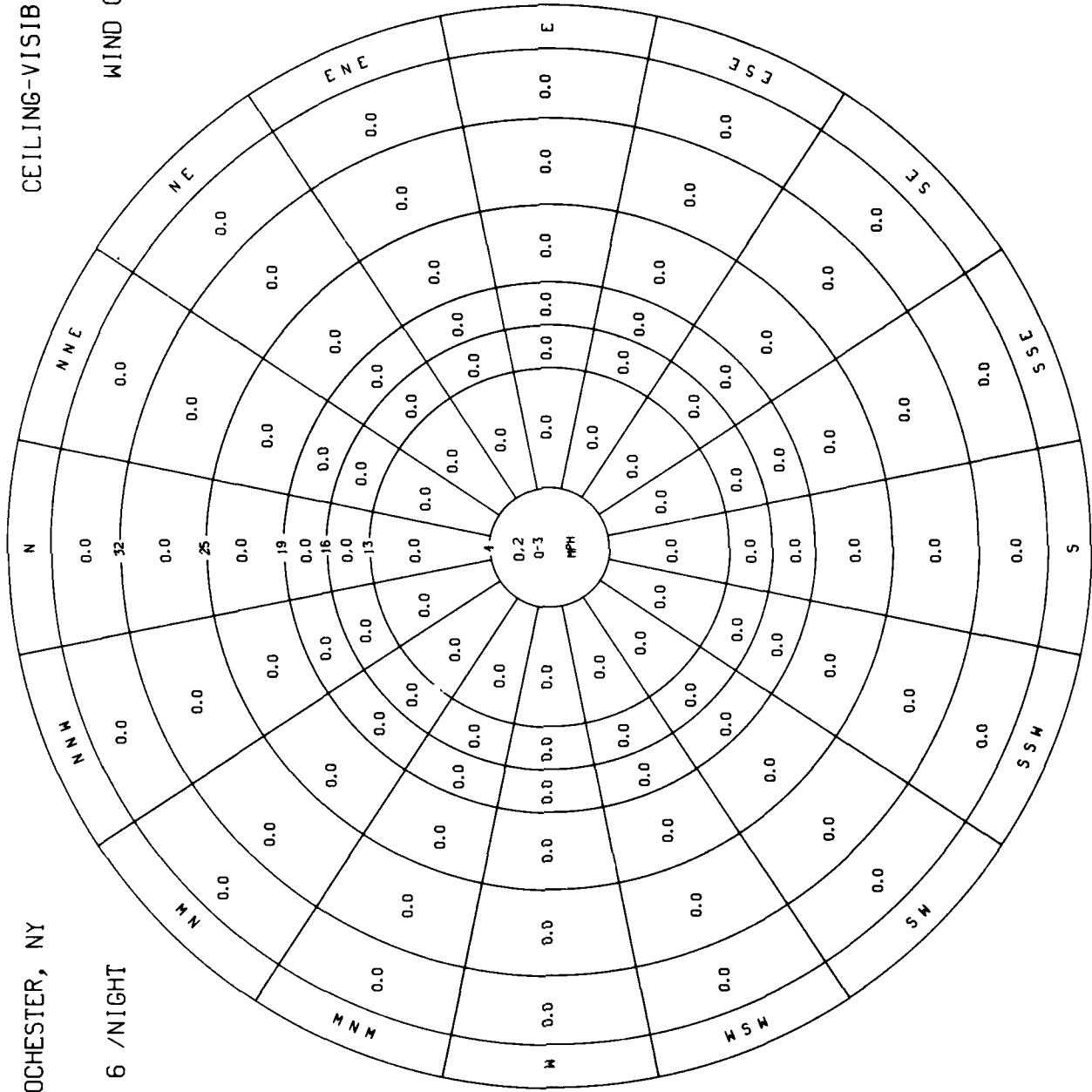
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.9	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
NNE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	2.0
NE	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9
ENE	.0	1.0	.0	1.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	3.9
E	.0	1.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9
ESE	.0	1.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
SE	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
SSE	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
S	.0	2.0	.0	6.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8
SSW	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9
SW	.0	2.9	.0	7.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.8
WSW	.0	4.9	.0	6.9	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	12.7
W	.0	6.9	.0	2.0	.0	1.0	.0	.0	.0	.0	.0	1.0	.0	.0	10.8
WNW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	2.0	.0	3.9	.0	.0	6.9
NW	.0	2.0	.0	2.0	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	5.9
NNW	.0	1.0	.0	2.9	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
CALM	.0	7.8													7.8
TOTAL	.1	37.3	.1	47.1	.0	3.9	.0	1.0	.0	3.9	.0	5.9	.0	1.0	7.6

CEILING-VISIBILITY

WIND GRAPH

ROC ROCHESTER, NY

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROC ROCHESTER, NY

PERIOD: 1948-1978

CLASS 6 / NIGHT

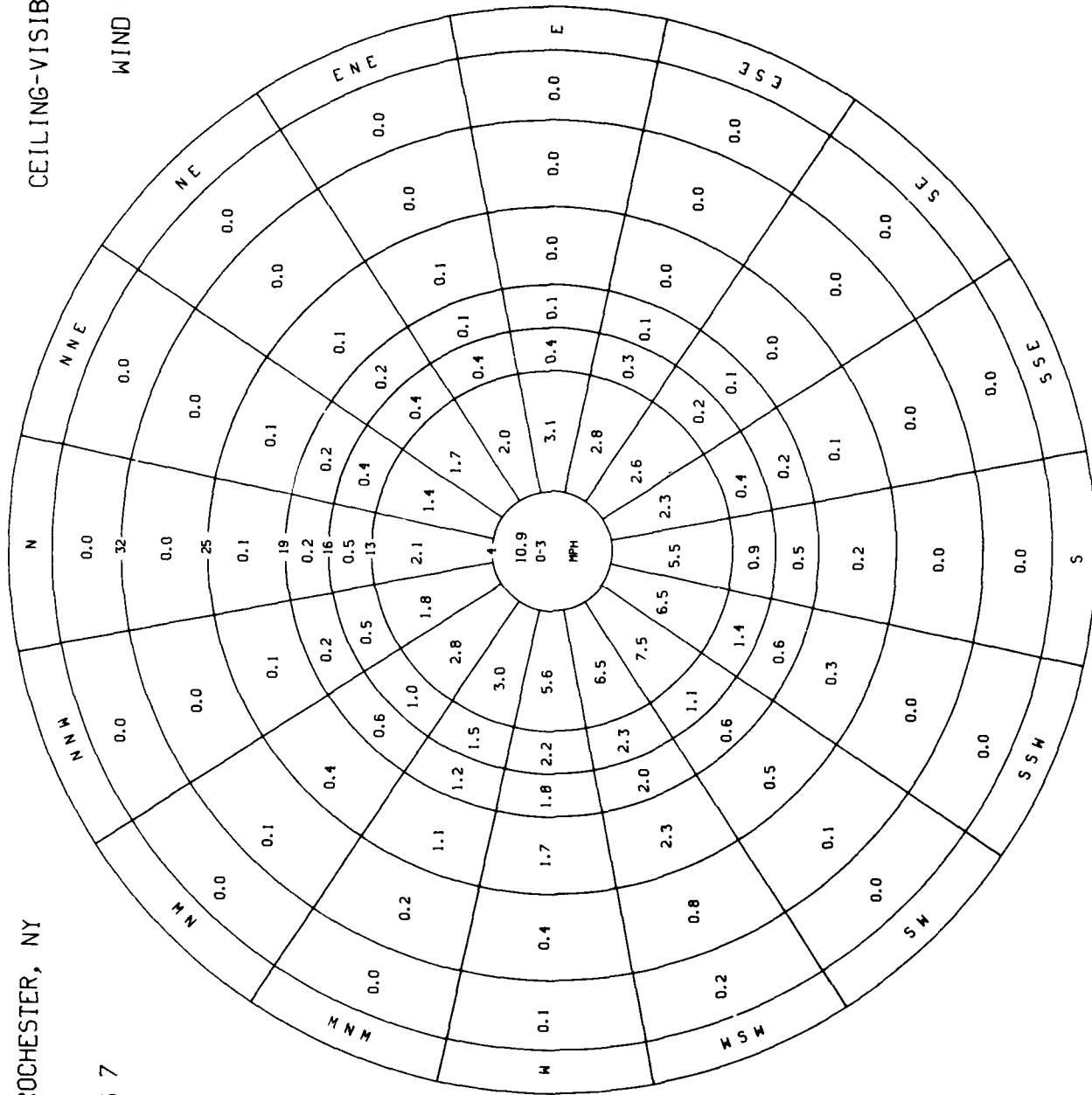
STATION NUMBER: 14768

NO. OBS.: 152

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.7	.0	5.9	.0	.0	.0	.7	.0	1.3	.0	.0	.0	.0	.0	8.6	10.0
NNE	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	17.0
NE	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.5
ENE	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.0
E	.0	.7	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	6.5
ESE	.0	2.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.6
SE	.0	3.3	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	3.0
SSE	.0	1.3	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.3
S	.0	5.9	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.6	3.8
SSW	.0	1.3	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	5.7
SW	.0	5.3	.0	9.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	14.5	4.9
WSW	.0	2.6	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	7.9	6.9
W	.0	1.3	.0	5.9	.0	.0	.0	.0	.0	.0	.0	2.0	.0	2.0	.0	11.2	15.1
WNW	.0	2.0	.0	2.6	.0	.0	.0	.7	.0	.0	.0	.7	.0	.7	.0	6.6	11.7
NW	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	5.0
NNW	.0	.0	.0	3.3	.0	1.3	.0	.0	.0	.7	.0	.0	.0	.0	.0	5.3	10.6
CALM	.0	13.2													.0	13.2	
TOTAL	.2	42.8	.2	46.1	.0	1.3	.0	2.0	.0	2.0	.0	3.3	.0	2.6	.4	100	6.7

CEILING-VISIBILITY

WIND GRAPH

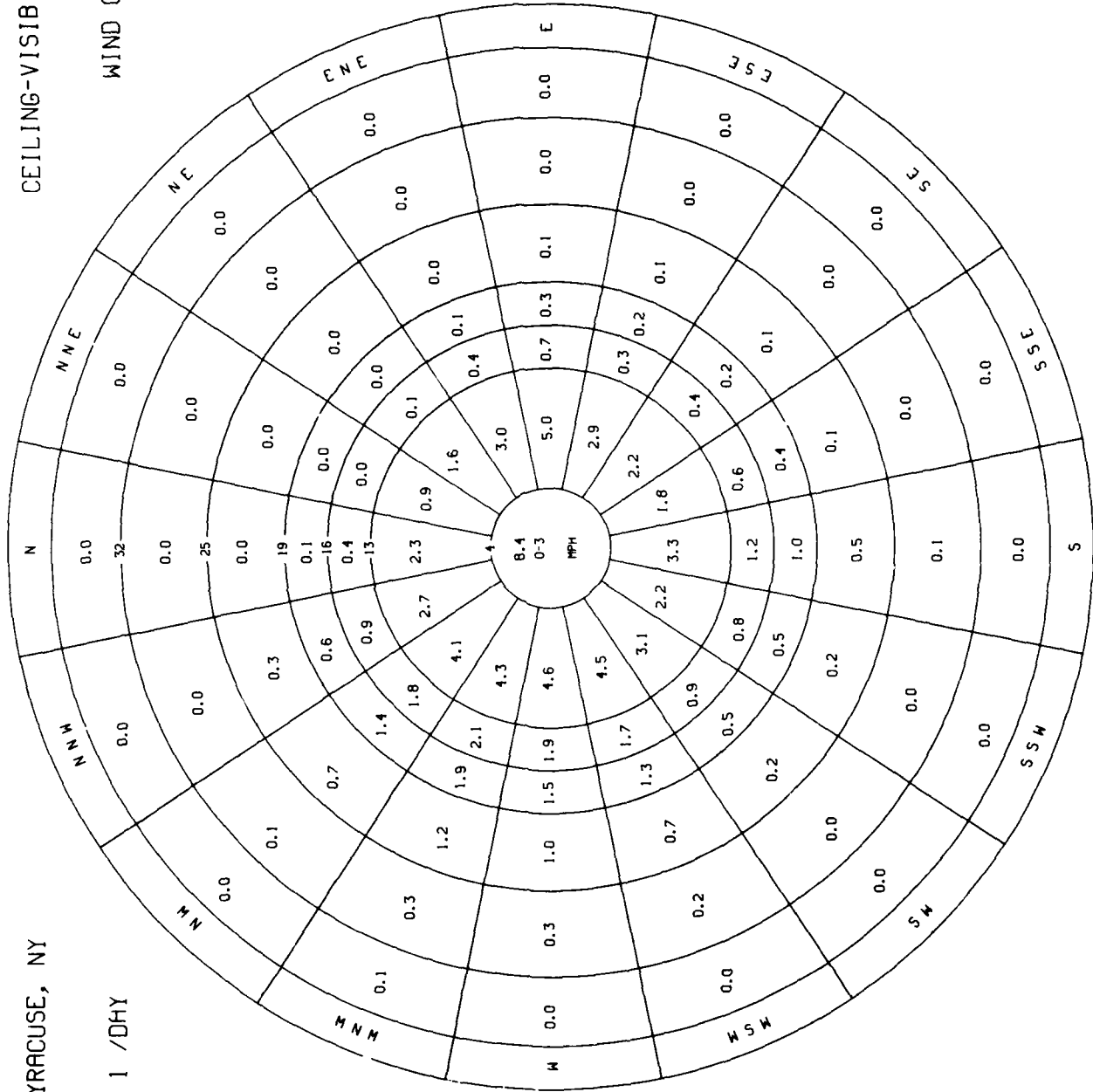


CEILING-VISIBILITY

WIND GRAPH

SYR SYRACUSE, NY

CLASS 1 /DHY



PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SYR SYRACUSE, NY

PERIOD: 1950-1978

CLASS 1 / DAY

STATION NUMBER: 14771

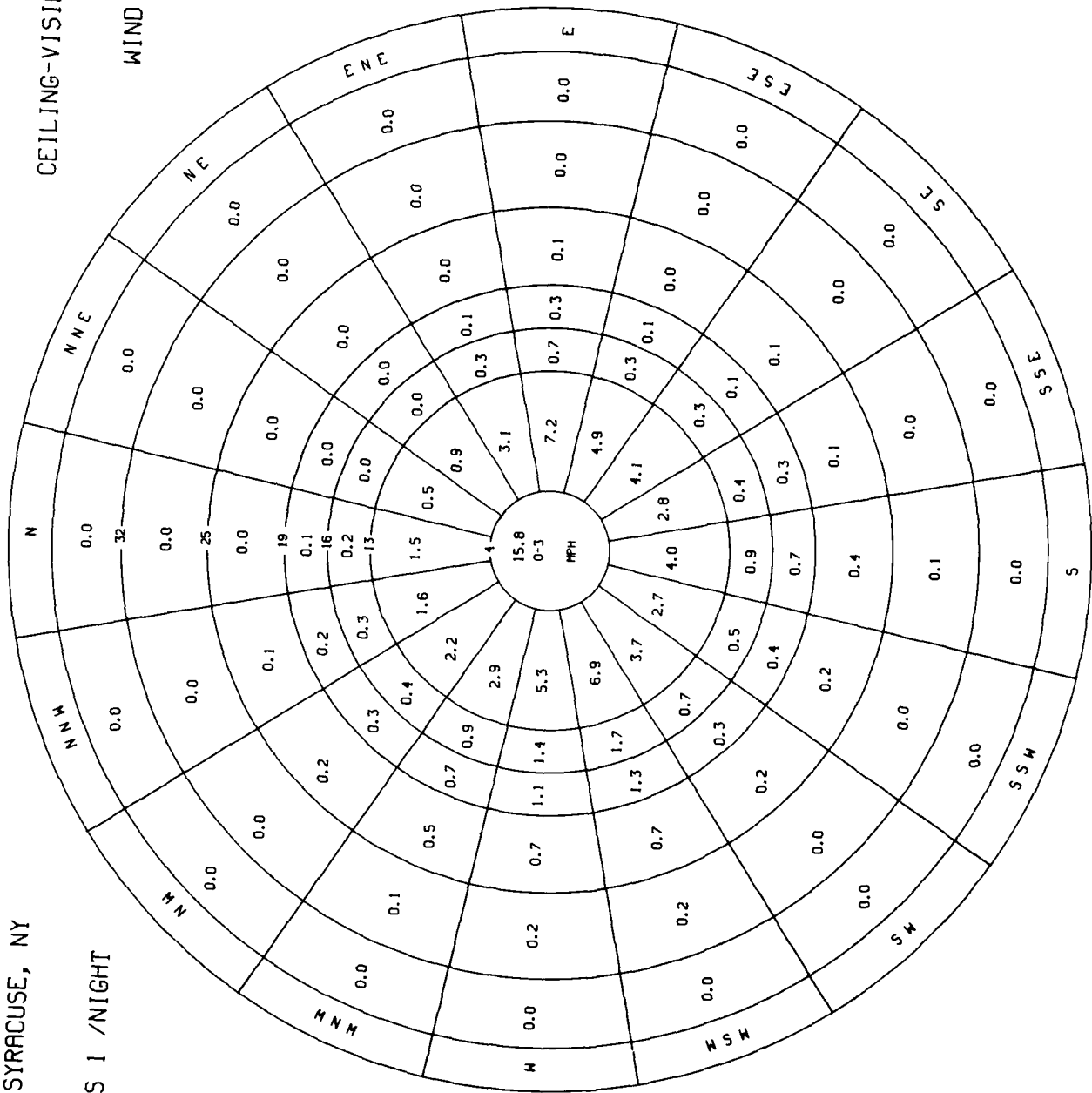
NO. OBS.: 41158

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.5	.5	2.3	2.7	.4	.4	.1	.2	.0	.0	.0	.0	.0	.0	3.3 3.8
NNE	.3	.4	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3 1.5
NE	.4	.5	1.6	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1 2.4
ENE	.4	.5	3.0	3.5	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	4.1 4.7
E	.9	1.0	5.0	5.7	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	6.9 7.9
ESE	.6	.7	2.9	3.3	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.1 4.7
SE	.6	.7	2.2	2.5	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.5 4.0
SSE	.3	.4	1.8	2.0	.6	.6	.4	.5	.1	.2	.0	.0	.0	.0	3.3 3.7
S	.5	.5	3.3	3.8	1.2	1.4	1.0	1.2	.5	.6	.1	.1	.0	.0	6.7 7.6
SSW	.2	.3	2.2	2.5	.8	1.0	.5	.5	.2	.3	.0	.0	.0	.0	4.0 4.5
SW	.4	.4	3.1	3.6	.9	1.1	.5	.6	.2	.2	.0	.0	.0	.0	5.2 5.9
WSW	.4	.4	4.5	5.1	1.7	1.9	1.3	1.5	.7	.8	.2	.2	.0	.0	8.8 10.0
W	.5	.6	4.6	5.3	1.9	2.1	1.5	1.7	1.0	1.1	.3	.3	.0	.1	9.8 11.1
WNW	.4	.4	4.3	4.9	2.1	2.4	1.9	2.2	1.2	1.4	.3	.3	.1	.1	10.3 11.7
NW	.4	.4	4.1	4.6	1.8	2.0	1.4	1.6	.7	.8	.1	.1	.0	.0	8.5 9.7
NNW	.3	.4	2.7	3.1	.9	1.0	.6	.7	.3	.3	.0	.0	.0	.0	4.8 5.4
CALM	1.4	1.5													1.4 1.5
TOTAL	8.4	9.6	48.8	55.4	14.2	16.2	10.1	11.5	5.2	6.0	1.1	1.2	.2	.2	88.0 100

CEILING-VISIBILITY

CLASS 1 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SYR SYRACUSE, NY

PERIOD: 1950-1978

CLASS 1 / NIGHT

STATION NUMBER: 14771

NO. OBS.: 33749

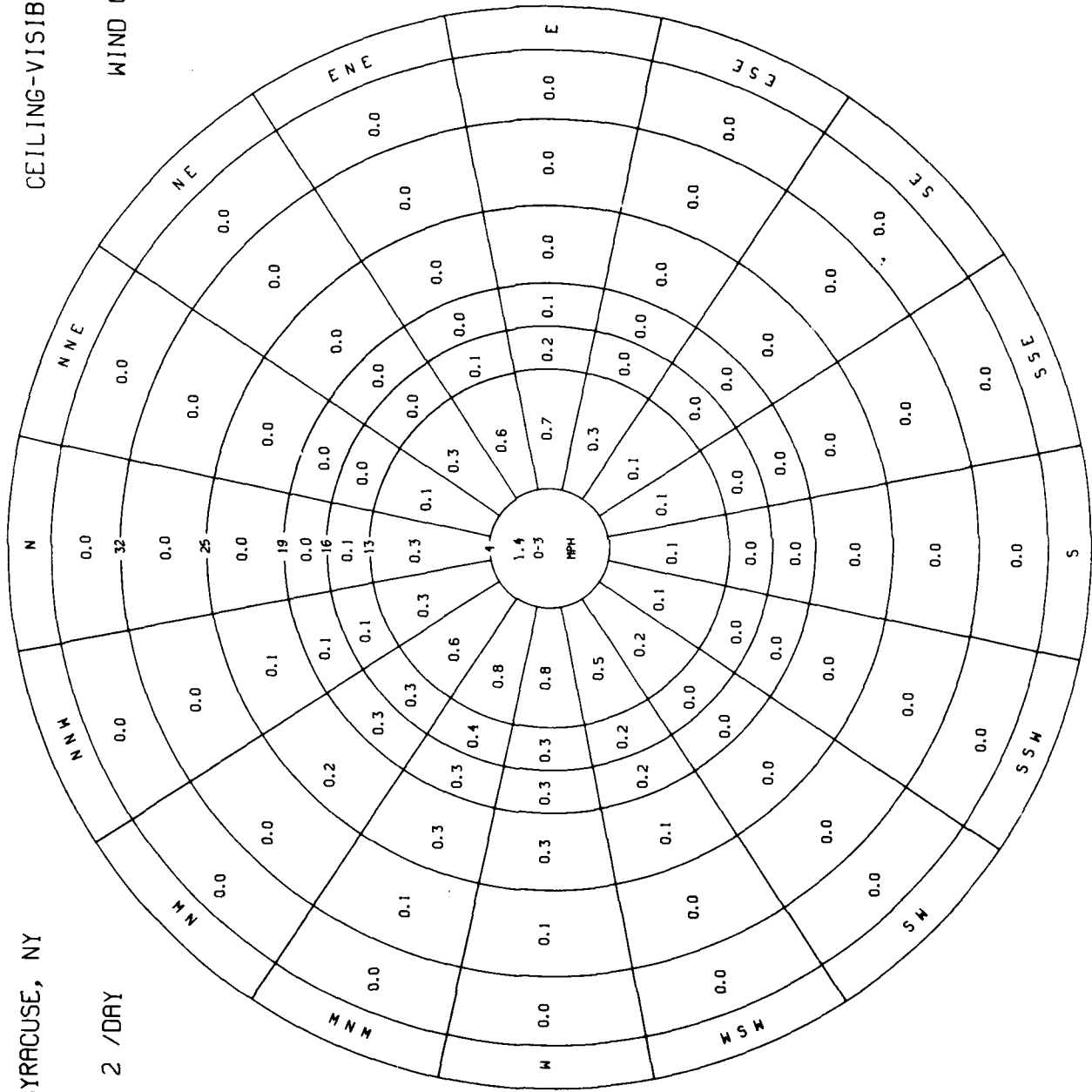
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.6	.6	1.5	1.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.3 2.6
NNE	.3	.3	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8 .9
NE	.4	.5	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3 1.5
ENE	.7	.7	3.1	3.5	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.2 4.8
E	1.4	1.6	7.2	8.1	.7	.7	.3	.3	.1	.1	.0	.0	.0	.0	9.6 10.8
ESE	1.3	1.4	4.9	5.5	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	6.6 7.4
SE	1.6	1.8	4.1	4.6	.3	.3	.1	.2	.1	.1	.0	.0	.0	.0	6.2 6.9
SSE	.9	1.1	2.8	3.1	.4	.4	.3	.3	.1	.1	.0	.0	.0	.0	4.5 5.1
S	1.0	1.2	4.0	4.5	.9	1.1	.7	.8	.4	.5	.1	.1	.0	.0	7.3 8.2
SSW	.5	.6	2.7	3.0	.5	.6	.4	.5	.2	.2	.0	.0	.0	.0	4.3 4.9
SW	.7	.8	3.7	4.2	.7	.8	.3	.4	.2	.2	.0	.0	.0	.0	5.7 6.4
WSW	.7	.8	6.9	7.7	1.7	1.9	1.3	1.5	.7	.7	.2	.2	.0	.0	11.4 12.8
W	.6	.6	5.3	5.9	1.4	1.6	1.1	1.2	.7	.8	.2	.2	.0	.0	9.3 10.4
WNW	.5	.5	2.9	3.3	.9	1.0	.7	.8	.5	.5	.1	.2	.0	.0	5.5 6.2
NW	.5	.5	2.2	2.4	.4	.5	.3	.4	.2	.2	.0	.1	.0	.0	3.6 4.1
NNW	.4	.4	1.6	1.8	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.4 2.7
CALM	3.9	4.3													3.9 4.3
TOTAL	15.8	17.8	54.1	60.9	8.9	10.0	6.0	6.7	3.2	3.6	.8	.9	.1	.1	88.9 100

CEILING-VISIBILITY

WIND GRAPH

SYR SYRACUSE, NY

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SYR SYRACUSE, NY

PERIOD: 1950-1978

CLASS 2 / DAY

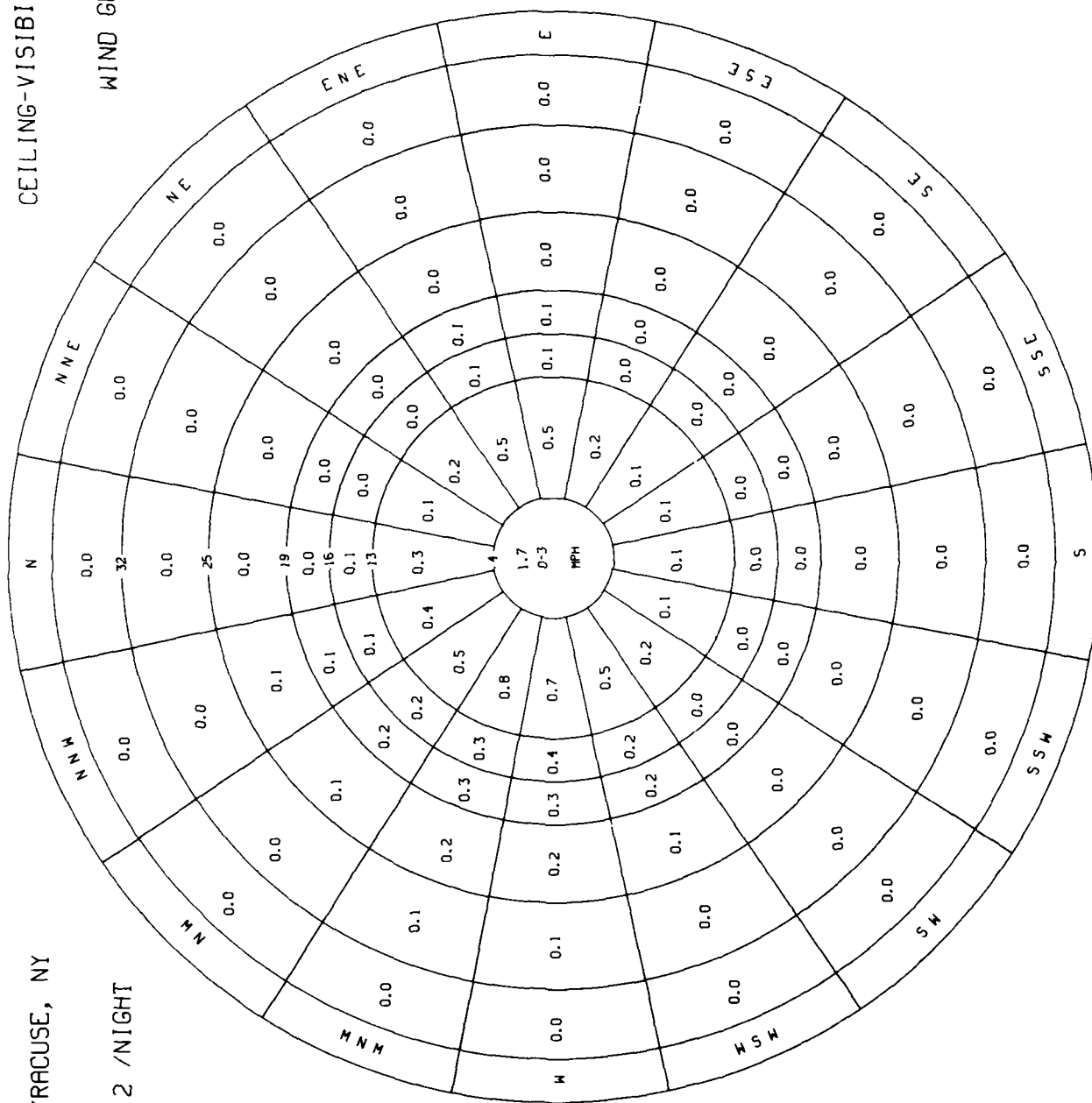
STATION NUMBER: 14771

NO. OBS.: 5613

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.7	.3	2.2	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.5 3.9
NNE	.1	.5	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.6
NE	.1	.7	.3	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 3.1
ENE	.1	.6	.6	5.1	.1	1.0	.0	.4	.0	.1	.0	.0	.0	.0	.9 7.2
E	.2	1.4	.7	5.5	.2	1.3	.1	.6	.0	.2	.0	.0	.0	.0	1.1 8.9
ESE	.1	.6	.3	2.1	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.4 3.2
SE	.1	.5	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.9
SSE	.1	.4	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 1.2
S	.0	.4	.1	1.1	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2 1.9
SSW	.0	.2	.1	.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.3
SW	.0	.4	.2	1.6	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.3 2.5
WSW	.1	.6	.5	4.2	.2	1.7	.2	1.3	.1	.9	.0	.4	.0	.1	1.1 9.2
W	.1	.7	.8	6.9	.3	2.8	.3	2.5	.3	2.6	.1	.8	.0	.1	2.0 16.5
WNW	.1	.5	.8	7.0	.4	3.4	.3	2.9	.3	2.2	.1	.9	.0	.1	2.0 17.0
NW	.1	.5	.6	5.3	.3	2.5	.3	2.1	.2	1.4	.0	.2	.0	.1	1.5 12.2
NNW	.0	.4	.3	2.9	.1	1.0	.1	.9	.1	.5	.0	.1	.0	.0	.7 5.6
CALM	.3	2.8													.3 2.8
TOTAL	1.4	12.0	6.0	45.7	1.9	15.7	1.4	11.6	1.0	8.2	.3	2.4	.1	.4	12.0 100 11.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SYR SYRACUSE, NY

PERIOD: 1950-1978

CLASS 2 / NIGHT

STATION NUMBER: 14771

NO. OBS.: 4204

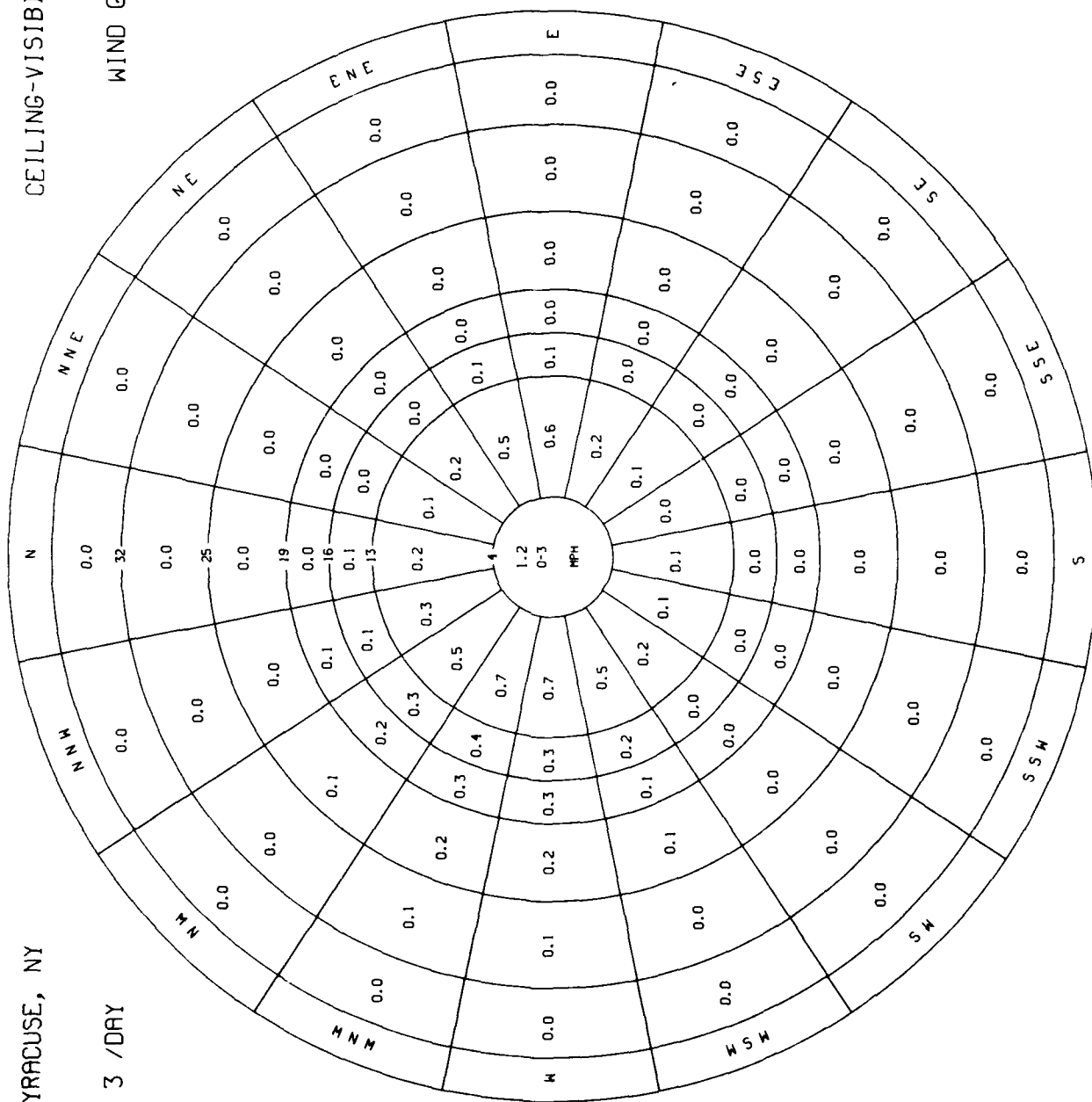
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.0	.3	2.4	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.5 4.1
NNE	.1	.5	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.5
NE	.1	.7	.2	1.4	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.5
ENE	.1	.9	.5	4.7	.1	1.0	.1	.5	.0	.1	.0	.0	.0	.0	.8 7.2
E	.2	1.5	.5	4.8	.1	.7	.1	.6	.0	.1	.0	.0	.0	.0	.9 7.8
ESE	.1	.5	.2	2.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 3.1
SE	.1	.8	.1	.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.9
SSE	.0	.3	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0
S	.1	.6	.1	.9	.0	.1	.0	.1	.0	.2	.0	.0	.0	.0	.2 2.0
SSW	.0	.2	.1	.5	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1 1.0
SW	.1	.5	.2	1.4	.0	.2	.0	.3	.0	.2	.0	.0	.0	.0	.3 2.5
WSW	.1	.6	.5	4.9	.2	2.2	.2	1.8	.1	1.3	.0	.4	.0	.1	1.3 11.3
W	.1	1.0	.7	6.5	.4	3.4	.3	2.8	.2	2.0	.1	.7	.0	.2	1.8 16.6
WNW	.1	.6	.8	7.4	.3	3.0	.3	2.5	.2	1.8	.1	.8	.0	.2	1.8 16.3
NW	.1	.6	.5	4.8	.2	2.0	.2	1.4	.1	1.2	.0	.2	.0	.0	1.1 10.1
NNW	.1	.5	.4	3.9	.1	1.0	.1	.8	.1	.7	.0	.0	.0	.0	.8 6.9
CALM	.5	4.3													.5 4.3
TOTAL	1.7	15.0	5.4	48.4	1.6	14.7	1.3	11.5	.9	7.8	.2	2.1	.1	.5	11.1 10.7

CEILING-VISIBILITY

WIND GRAPH

SYR SYRACUSE, NY

CLASS 3 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SYR SYRACUSE, NY

PERIOD: 1950-1978

CLASS 3 / DAY

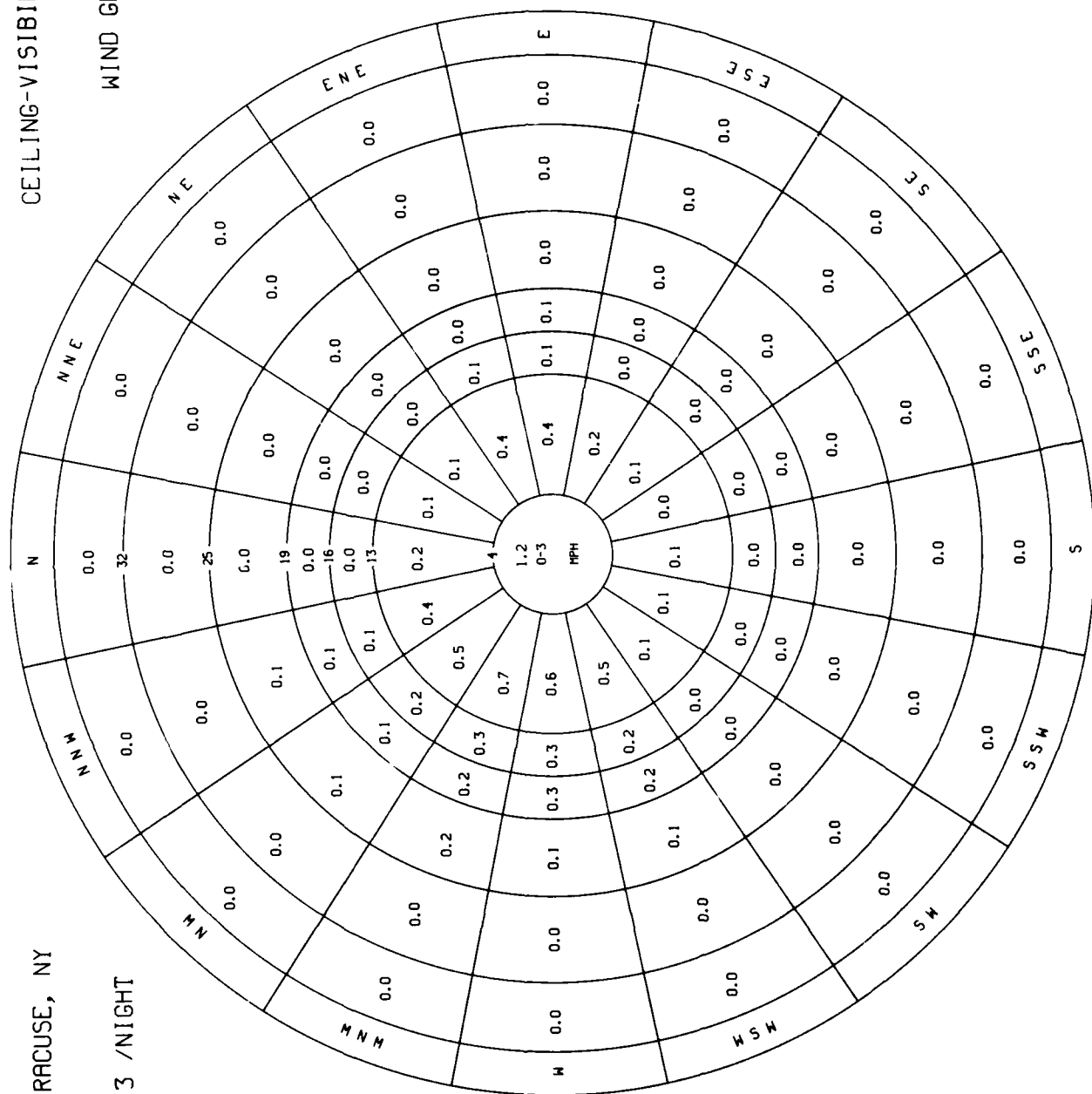
STATION NUMBER: 14771

NO. OBS.: 4652

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.8	.2	2.1	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.4	3.8	8.5
NNE	.1	.6	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	5.6
NE	.1	.6	.2	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.6	6.7
ENE	.1	.6	.5	5.2	.1	.9	.0	.4	.0	.1	.0	.0	.0	.0	.7	7.3	9.2
E	.1	1.4	.6	5.6	.1	1.3	.0	.5	.0	.2	.0	.0	.0	.0	.9	8.9	8.7
ESE	.1	.7	.2	2.1	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.3	3.2	7.4
SE	.1	.5	.1	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.9	7.2
SSE	.0	.4	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.1	7.9
S	.0	.4	.1	1.1	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.0	8.2
SSW	.0	.3	.1	1.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.5	8.2
SW	.0	.4	.2	1.8	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.3	2.7	8.9
WSW	.1	.5	.5	4.6	.2	2.0	.1	1.3	.1	.9	.0	.3	.0	.1	1.0	9.7	12.4
W	.1	.7	.7	7.3	.3	2.9	.3	2.5	.2	2.3	.1	.6	.0	.0	1.6	16.4	13.1
WNW	.0	.5	.7	7.2	.4	3.8	.3	3.0	.2	1.9	.1	.6	.0	.1	1.7	17.0	13.5
NW	.0	.5	.5	5.3	.3	2.6	.2	2.0	.1	1.4	.0	.2	.0	.1	1.2	12.1	12.8
NNW	.0	.4	.3	2.9	.1	1.1	.1	.8	.0	.5	.0	.1	.0	.0	.6	5.7	11.7
CALM	.3	2.8													.3	2.8	
TOTAL	1.2	11.9	5.0	50.8	1.6	16.4	1.1	11.5	.8	7.5	.2	1.7	.0	.3	9.9	100	10.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SYR SYRACUSE, NY

PERIOD: 1950-1978

CLASS 3 / NIGHT

STATION NUMBER: 14771

NO. OBS.: 3425

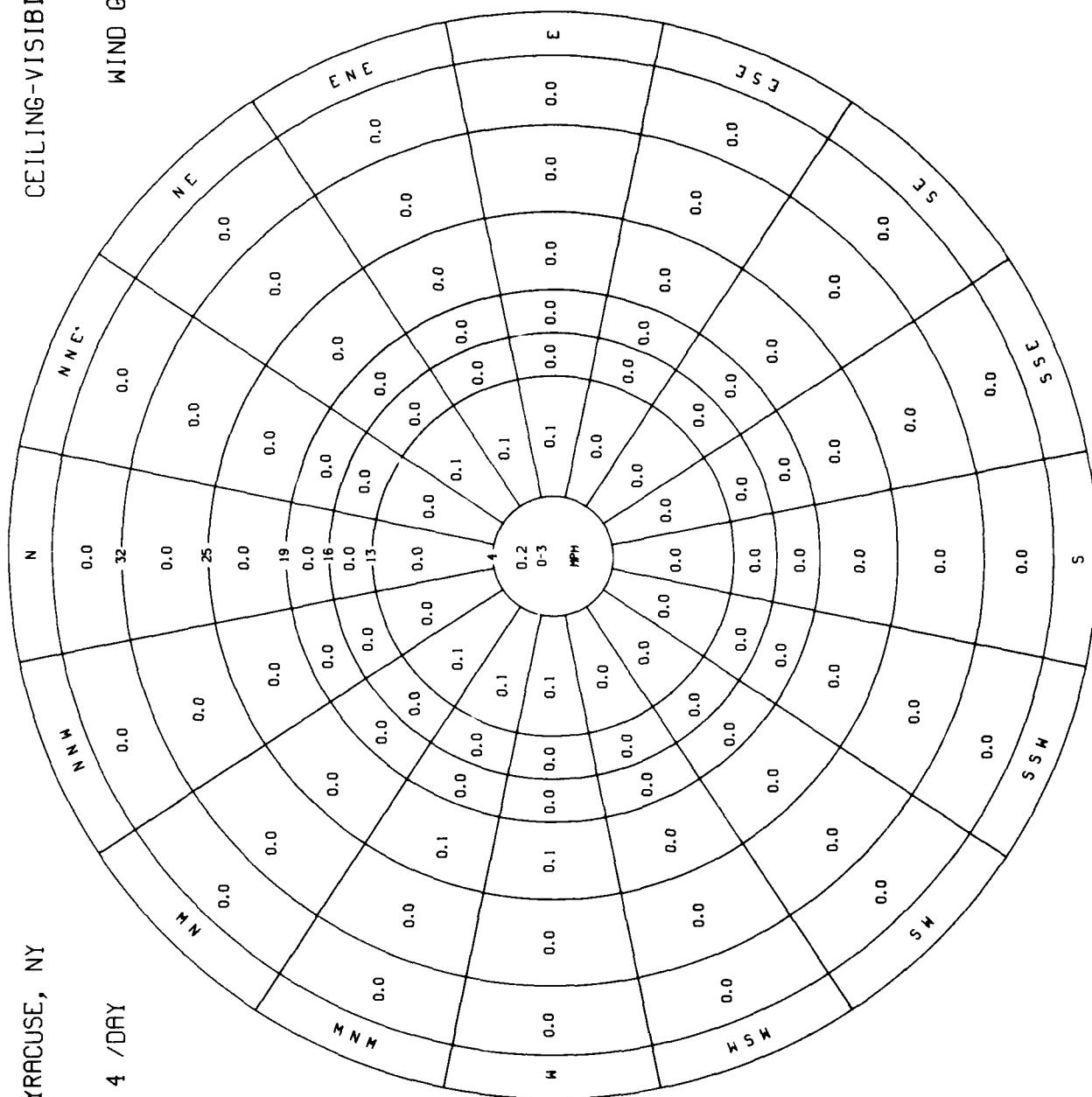
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.9	.2	2.4	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.9
NNE	.0	.3	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.2
NE	.1	.6	.1	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 2.2
ENE	.1	.7	.4	4.9	.1	.9	.0	.5	.0	.1	.0	.0	.0	.0	.6 7.1
E	.1	1.2	.4	4.9	.1	.7	.1	.6	.0	.1	.0	.0	.0	.0	.7 7.4
ESE	.1	.6	.2	2.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 3.3
SE	.1	.7	.1	1.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.9
SSE	.0	.4	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0
S	.1	.6	.1	1.1	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.2 2.3
SSW	.0	.1	.1	.6	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1 1.0
SW	.0	.5	.1	1.5	.0	.2	.0	.4	.0	.2	.0	.0	.0	.0	.2 2.7
WSW	.0	.5	.5	5.3	.2	2.5	.2	2.0	.1	1.2	.0	.2	.0	.1	1.1 11.8
W	.1	.9	.6	7.1	.3	3.7	.3	2.8	.1	1.5	.0	.5	.0	.1	1.5 16.6
WNW	.1	.6	.7	7.4	.3	3.2	.2	2.7	.2	1.7	.0	.5	.0	.1	1.5 16.1
NW	.1	.6	.5	5.0	.2	2.2	.1	1.5	.1	1.2	.0	.2	.0	.0	1.0 10.6
NNW	.0	.5	.4	4.3	.1	1.2	.1	.8	.1	.7	.0	.0	.0	.0	.7 7.5
CALM	.3	3.4													.3 3.4
TOTAL	1.2	13.0	4.6	50.5	1.4	15.6	1.1	12.0	.6	7.2	.1	1.5	.0	.3	9.0 100
															10.7

CEILING-VISIBILITY

WIND GRAPH

SYR SYRACUSE, NY

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SYR SYRACUSE, NY

PERIOD: 1950-1978

CLASS 4 / DAY

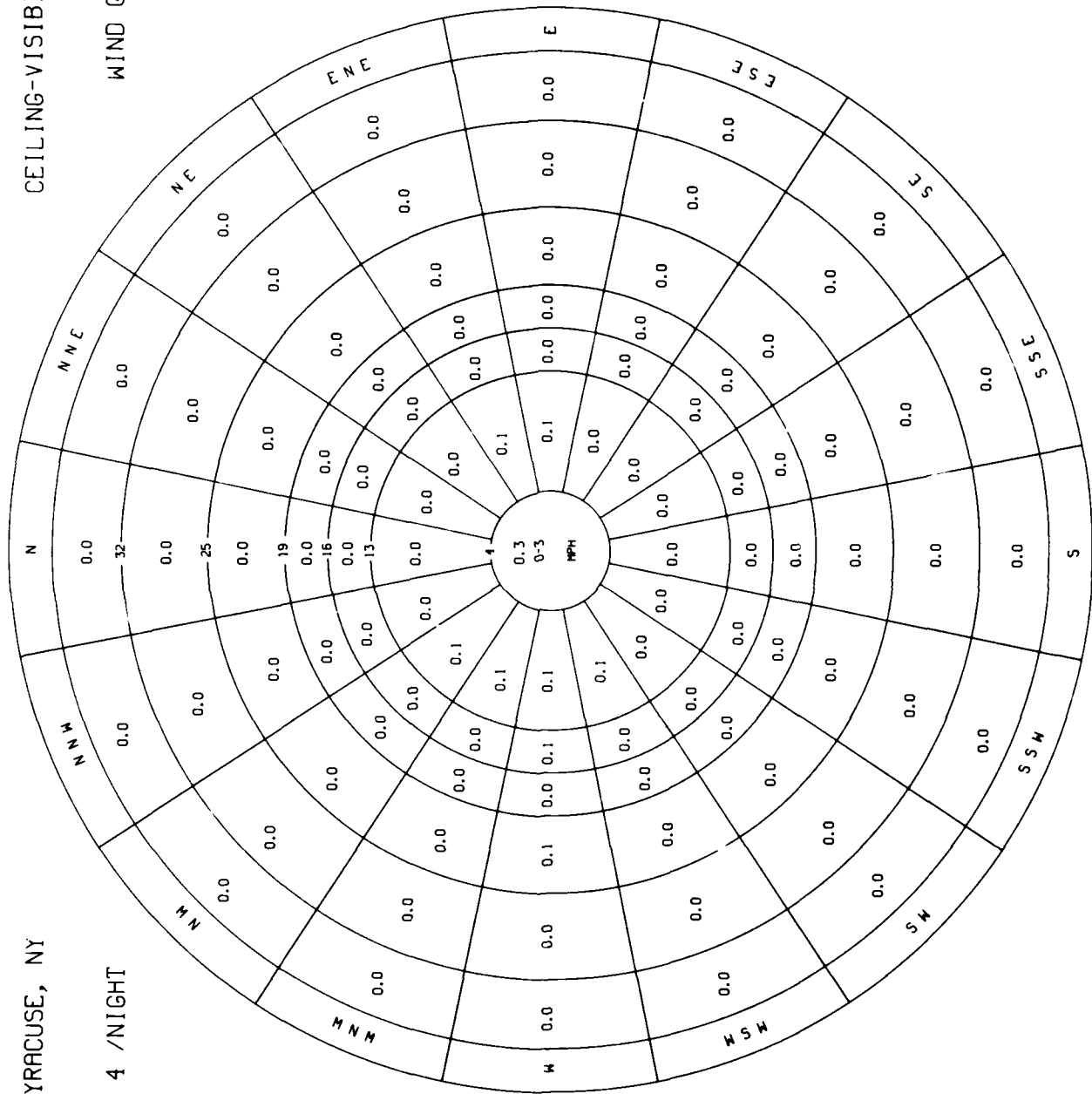
STATION NUMBER: 14771

NO. OBS.: 753

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.0	.4	.0	2.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.5	8.9
NNE	.0	.1	.0	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	8.7
NE	.0	.8	.1	4.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.7	7.1
ENE	.0	.1	.1	4.6	.0	1.3	.0	.7	.0	.1	.0	.0	.0	.0	.0	.1	6.9	10.6
E	.0	1.1	.1	4.2	.0	1.6	.0	.9	.0	.5	.0	.0	.0	.0	.0	.1	8.4	10.2
ESE	.0	.5	.0	2.0	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.6
SE	.0	.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.1
SSE	.0	1.1	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.7
S	.0	.1	.0	1.1	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.5	9.5
SSW	.0	.3	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7	7.6
SW	.0	.3	.0	.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.6
WSW	.0	.7	.0	2.3	.0	.5	.0	1.3	.0	1.1	.0	.7	.0	.3	.1	6.8	14.8	
W	.0	.8	.1	5.2	.0	2.7	.0	2.7	.1	3.5	.0	1.5	.0	.1	.3	16.3	15.1	
WNW	.0	.9	.1	6.6	.0	2.1	.0	3.1	.1	3.3	.0	2.3	.0	.1	.3	18.5	15.3	
NW	.0	.7	.1	5.7	.0	2.9	.0	2.8	.0	1.3	.0	.4	.0	.0	.2	13.8	12.9	
NNW	.0	.1	.0	2.7	.0	.4	.0	.7	.0	.9	.0	.0	.0	.0	.1	4.8	12.5	
CALM	.0	2.5													.0	2.5		
TOTAL	.2	11.0	.7	46.1	.2	13.9	.2	12.7	.2	10.9	.1	4.8	.0	.5	1.6	100	11.9	

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SYR SYRACUSE, NY

PERIOD: 1950-1978

CLASS 4 / NIGHT

STATION NUMBER: 14771

NO. OBS.: 568

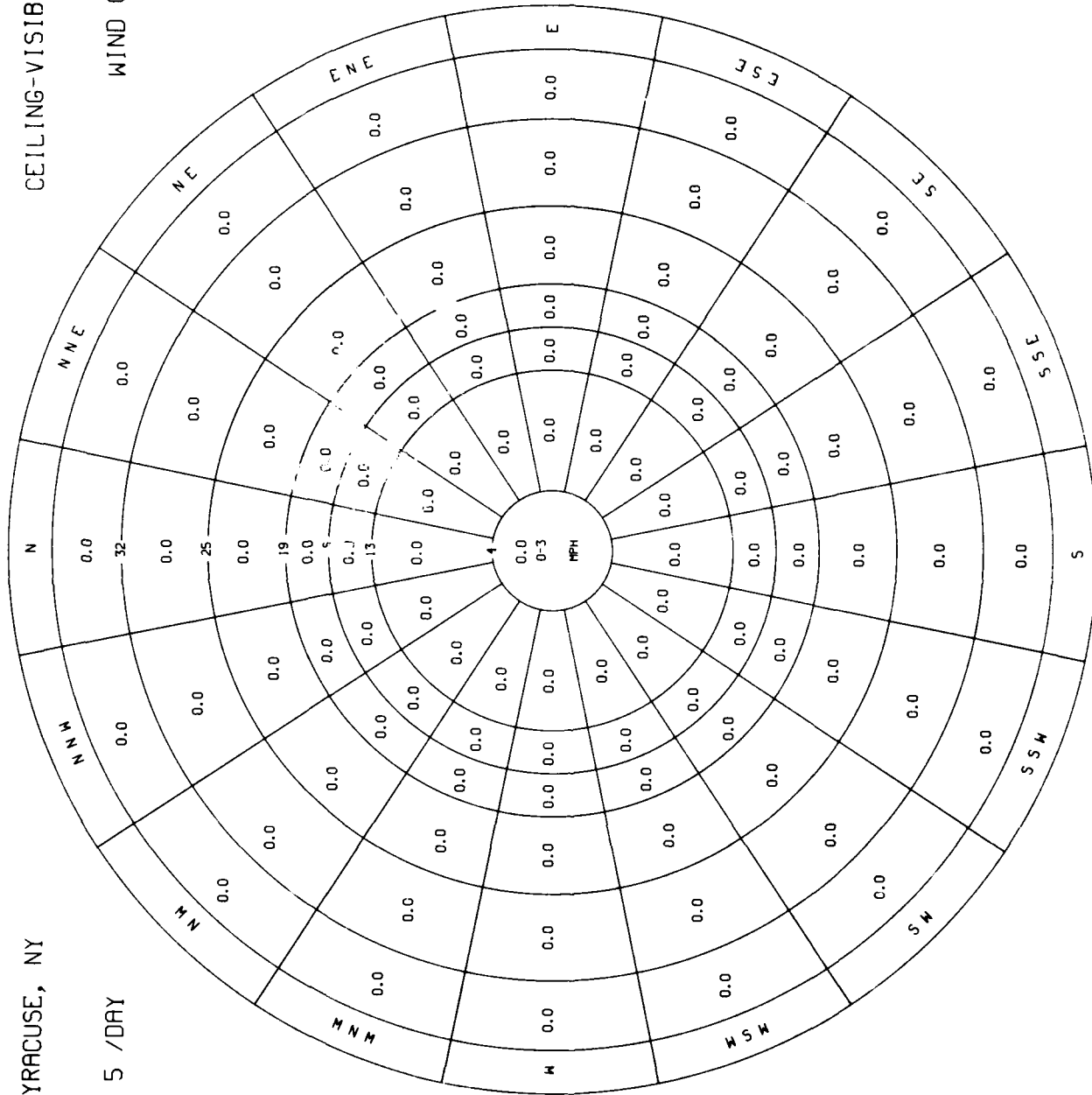
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED				
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D	
N	.0	.9	.0	2.5	.0	.5	.0	.7	.0	.5	.0	.0	.0	.0	.0	.0	.1	5.1	10.0
NNE	.0	1.1	.0	1.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	5.8
NE	.0	.9	.0	2.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.5	7.7
ENE	.0	1.2	.1	4.8	.0	1.6	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.1	8.8	10.2
E	.0	2.8	.1	4.4	.0	.7	.0	1.1	.0	.2	.0	.2	.0	.0	.0	.0	.1	9.3	8.7
ESE	.0	.2	.0	1.4	.0	.4	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.3	9.2
SE	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.6
SSE	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	9.5
S	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.5
SSW	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.5	12.7
SW	.0	.2	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.1
WSW	.0	.9	.1	3.5	.0	1.2	.0	1.2	.0	2.3	.0	1.1	.0	.0	.0	.2	10.2	14.3	
W	.0	1.4	.1	4.8	.1	3.3	.0	3.2	.1	3.3	.0	1.1	.0	.2	.0	.3	17.3	14.5	
WNW	.0	.7	.1	8.3	.0	2.5	.0	2.5	.0	2.1	.0	1.6	.0	.2	.0	.3	17.8	13.6	
NW	.0	.5	.1	4.4	.0	1.1	.0	1.2	.0	1.1	.0	.2	.0	.0	.0	.1	8.5	12.0	
NNW	.0	.7	.0	2.1	.0	.2	.0	.7	.0	.9	.0	.0	.0	.0	.0	.1	4.6	11.5	
CALM	.1	5.5														.1	5.5		
TOTAL	.3	18.3	.6	42.4	.2	12.1	.2	11.6	.2	10.9	.1	4.2	.0	.4	.15	100			11.1

SYR SYRACUSE, NY

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SYR SYRACUSE, NY

PERIOD: 1950-1978

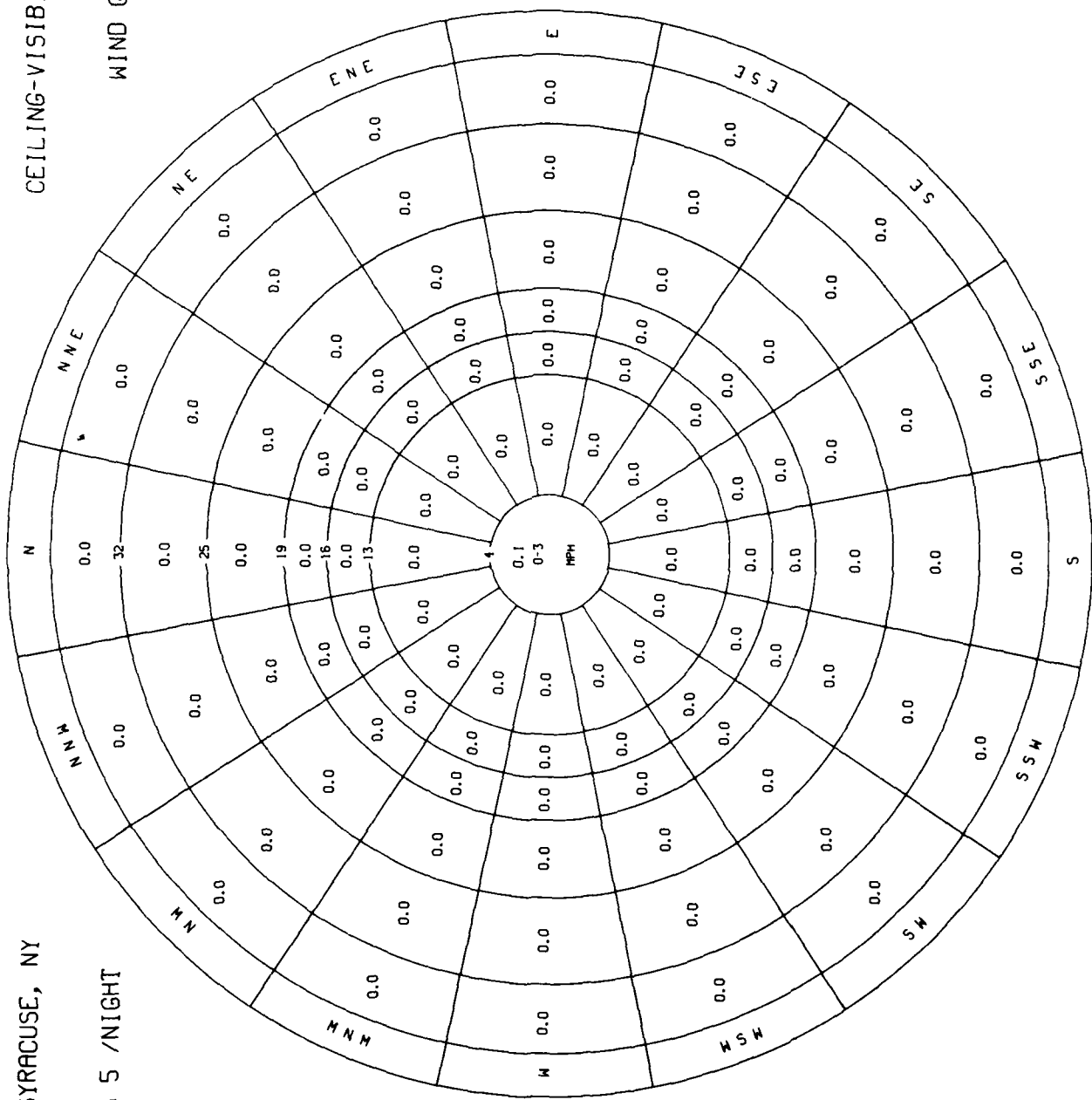
CLASS 5 / DAY

STATION NUMBER: 14771

NO. OBS.: 119

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.8	.0	.8	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	3.4
NNE	.0	1.7	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
NE	.0	.8	.0	2.5	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	4.2
ENE	.0	1.7	.0	2.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	6.7
E	.0	.8	.0	6.7	.0	.8	.0	1.7	.0	.8	.0	.0	.0	.0	10.9
ESE	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
SE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	1.7	.0	.0	.0	1.7	.0	2.5	.0	.8	.0	.0	6.7
W	.0	.0	.0	2.5	.0	.8	.0	5.0	.0	6.7	.0	4.2	.0	.8	20.2
WNW	.0	.0	.0	4.2	.0	1.7	.0	.8	.0	3.4	.0	5.0	.0	.0	15.1
NW	.0	.8	.0	5.9	.0	.8	.0	.8	.0	2.5	.0	1.7	.0	.8	13.4
NNW	.0	.8	.0	2.5	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	5.9
CALM	.0	3.4													3.4
TOTAL	.0	10.9	.1	37.0	.0	7.6	.0	14.3	.0	16.8	.0	11.8	.0	1.7	13.9

SYR SYRACUSE, NY
 CLASS 5 /NIGHT
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SYR SYRACUSE, NY

PERIOD: 1950-1978

CLASS 5 / NIGHT

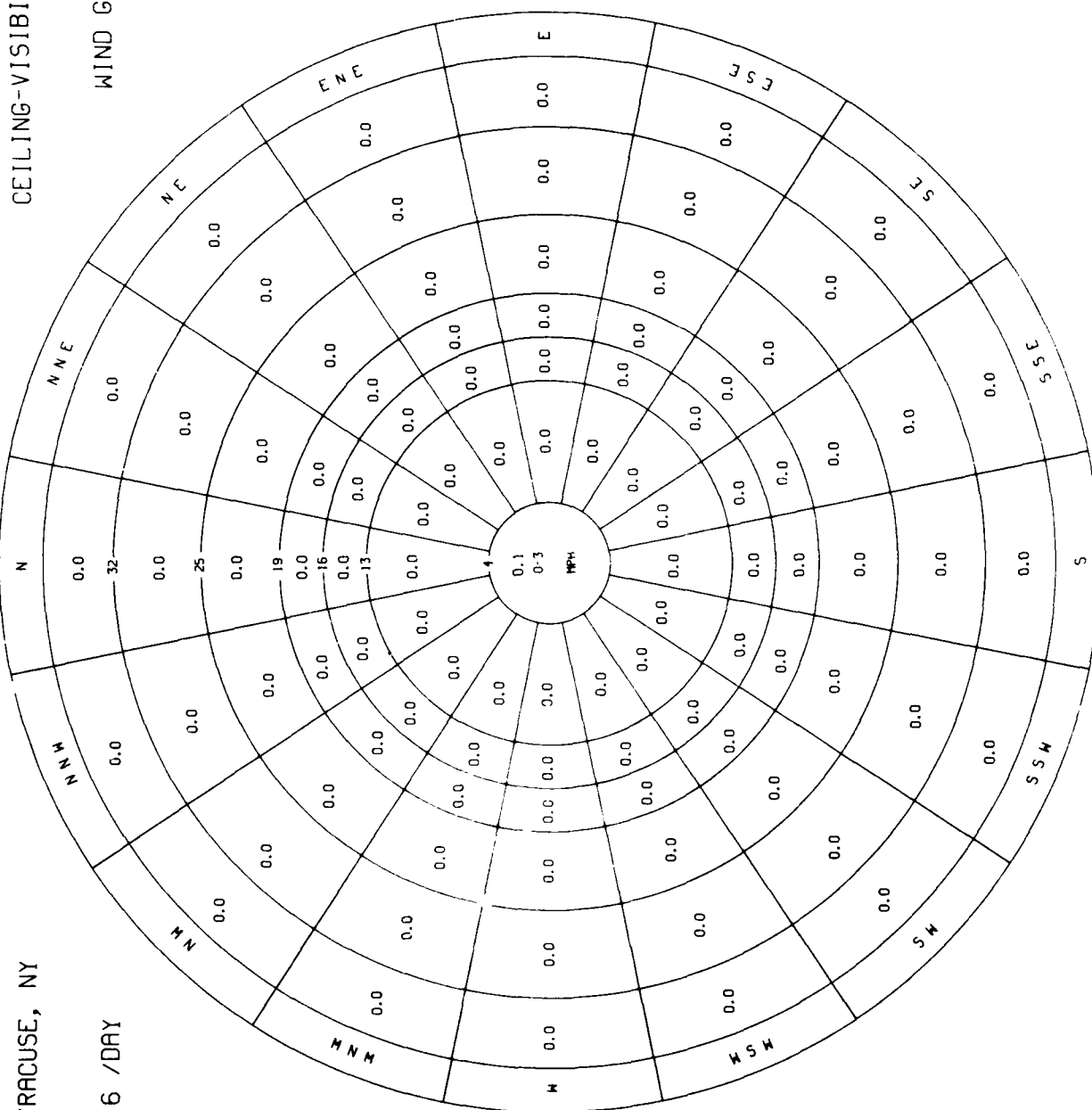
STATION NUMBER: 14771

NO. OBS.: 106

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.9	.0	2.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	5.7
NNE	.0	1.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8
NE	.0	1.9	.0	1.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	4.7
ENE	.0	2.8	.0	.9	.0	1.9	.0	.9	.0	.0	.0	.0	.0	.0	6.6
E	.0	3.8	.0	2.8	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	8.5
ESE	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8
SE	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8
SSE	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
S	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.9	.0	2.8	.0	.9	.0	.9	.0	.9	.0	1.9	.0	.0	8.5
W	.0	.9	.0	1.9	.0	.0	.0	2.8	.0	4.7	.0	.9	.0	.0	11.3
WNW	.0	.0	.0	6.6	.0	2.8	.0	.0	.0	3.8	.0	6.6	.0	.9	20.8
NW	.0	1.9	.0	3.8	.0	.9	.0	.0	.0	.9	.0	.0	.0	.9	8.5
NNW	.0	1.9	.0	2.8	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	5.7
CALM	.0	7.5													7.5
TOTAL	.1	28.3	.1	32.1	.0	9.4	.0	5.7	.0	12.3	.0	9.4	.0	2.8	11.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SYR SYRACUSE, NY

PERIOD: 1950-1978

CLASS 6 / DAY

STATION NUMBER: 14771

NO. OBS.: 89

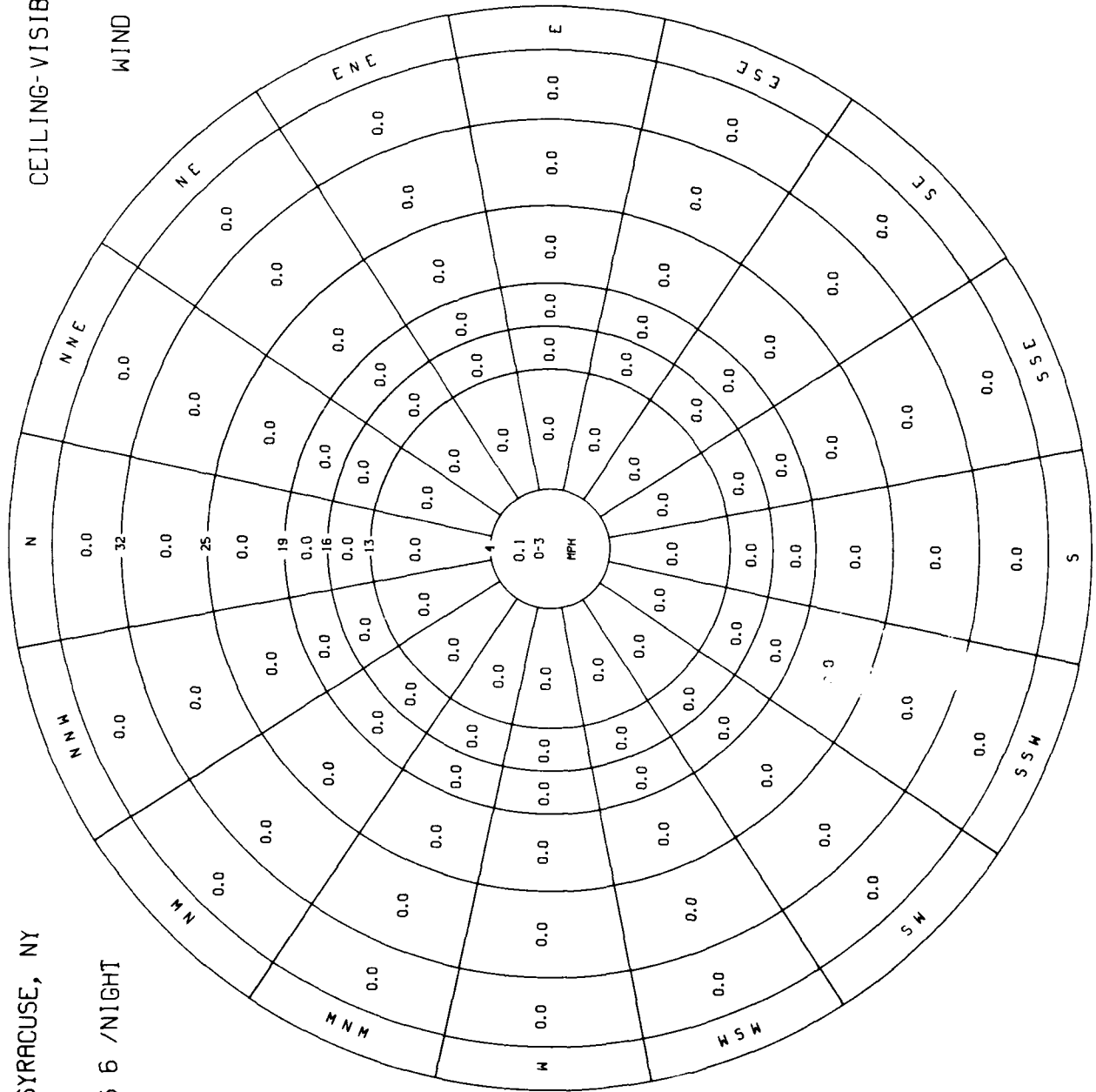
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.1	.0	2.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NE	.0	3.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
ENE	.0	1.1	.0	4.5	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0 6.7
E	.0	4.5	.0	9.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 13.5
ESE	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.4
SE	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SSE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
S	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0 2.2
SSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
SW	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
WSW	.0	1.1	.0	5.6	.0	.0	.0	.0	.0	.0	.0	1.1	.0	2.2	.0 10.1
W	.0	1.1	.0	5.6	.0	1.1	.0	.0	.0	3.4	.0	2.2	.0	4.5	.0 18.0
WNW	.0	.0	.0	3.4	.0	.0	.0	1.1	.0	3.4	.0	2.2	.0	.0	.0 10.1
NW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	1.1	.0	.0	.0 3.4
NNW	.0	1.1	.0	2.2	.0	3.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0 7.9
CALM	.0	9.0													.0 9.0
TOTAL	.1	27.0	.1	41.6	.0	5.6	.0	2.2	.0	9.0	.0	7.9	.0	6.7	.2 100

SYR SYRACUSE, NY

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SYR SYRACUSE, NY

PERIOD: 1950-1978

CLASS 6 / NIGHT

STATION NUMBER: 14771

NO. OBS.: 105

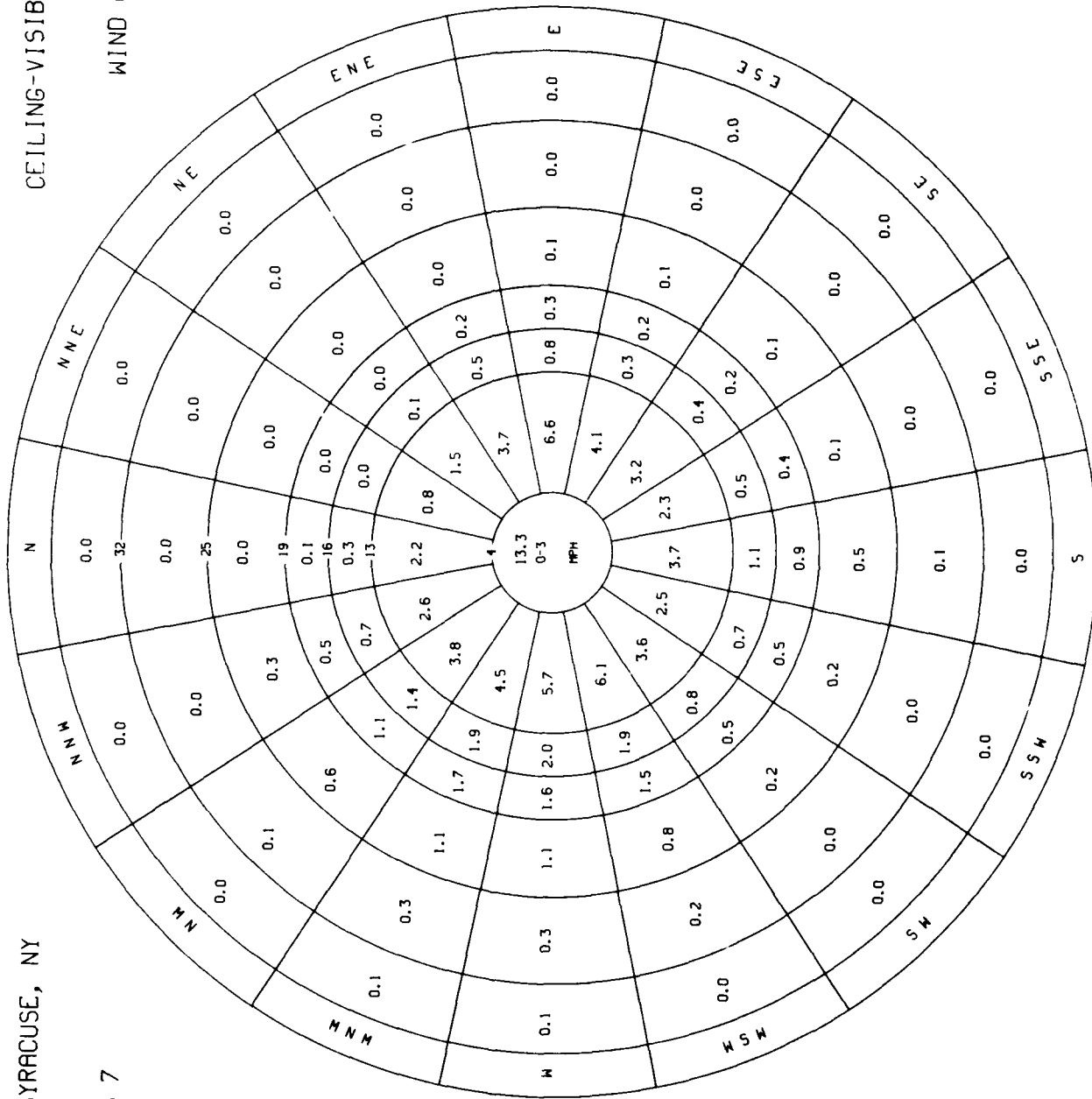
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	2.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	3.2
NNE	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.0
NE	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	2.3
ENE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0
E	.0	3.8	.0	7.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.4	5.6
ESE	.0	1.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.7
SE	.0	2.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	3.2
SSE	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.0
S	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.0
SSW	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	2.7
SW	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.5
WSW	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	2.9	11.3
W	.0	2.9	.0	2.9	.0	.0	.0	.0	.0	5.7	.0	2.9	.0	4.8	.1	19.0	20.6
WNW	.0	1.9	.0	5.7	.0	.0	.0	.0	.0	.0	.0	1.9	.0	2.9	.0	12.4	17.2
NW	.0	.0	.0	1.9	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	3.8	11.5
NNW	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.5
CALM	.1	21.9													.1	21.9	
TOTAL	.1	50.5	.1	28.6	.0	1.0	.0	.0	.0	6.7	.0	5.7	.0	7.6	.3	100	8.5

SYR SYRACUSE, NY

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

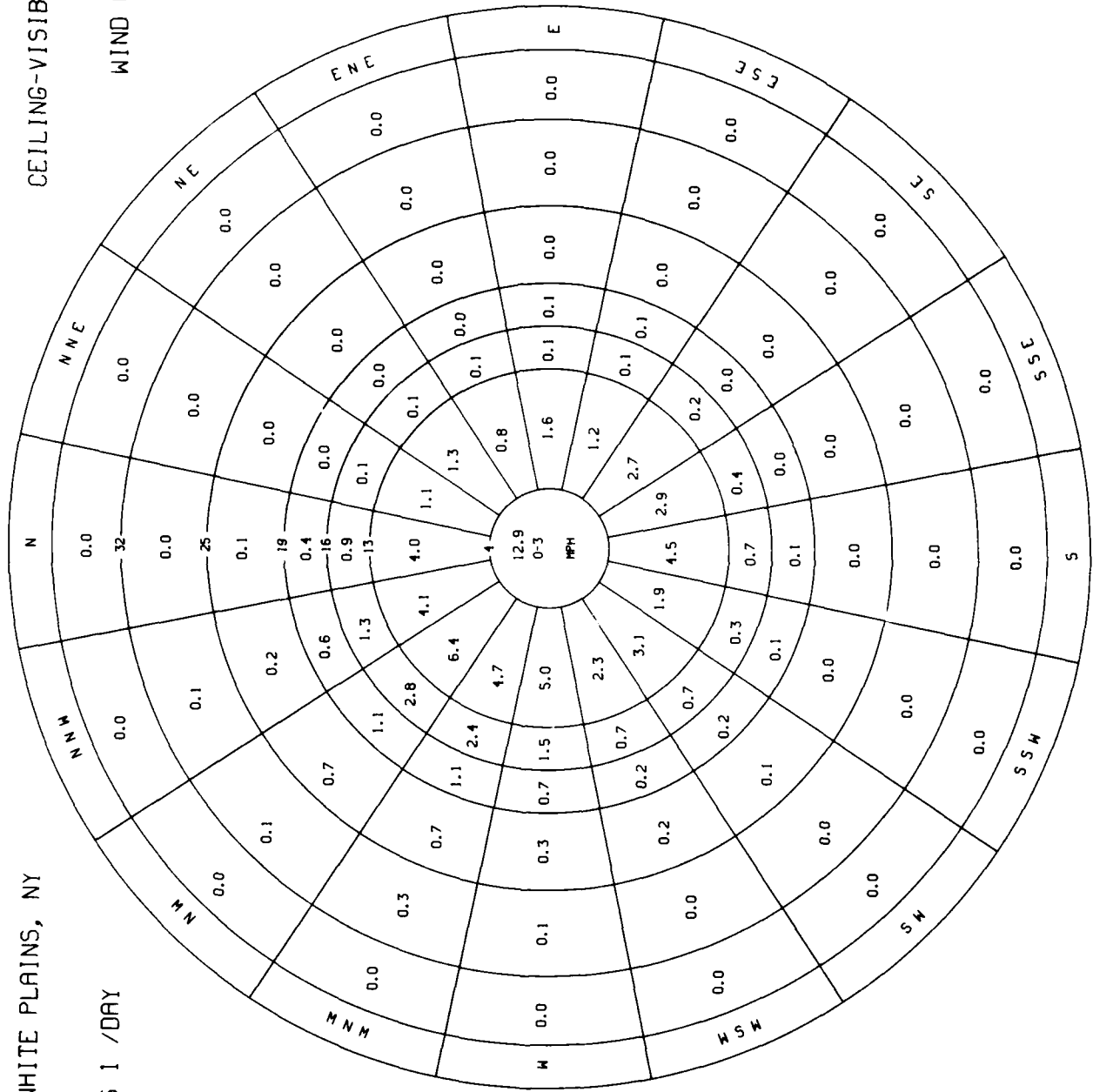


HPN WHITE PLAINS, NY

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HPN WHITE PLAINS, NY

PERIOD: 1949-1978

CLASS 1 / DAY

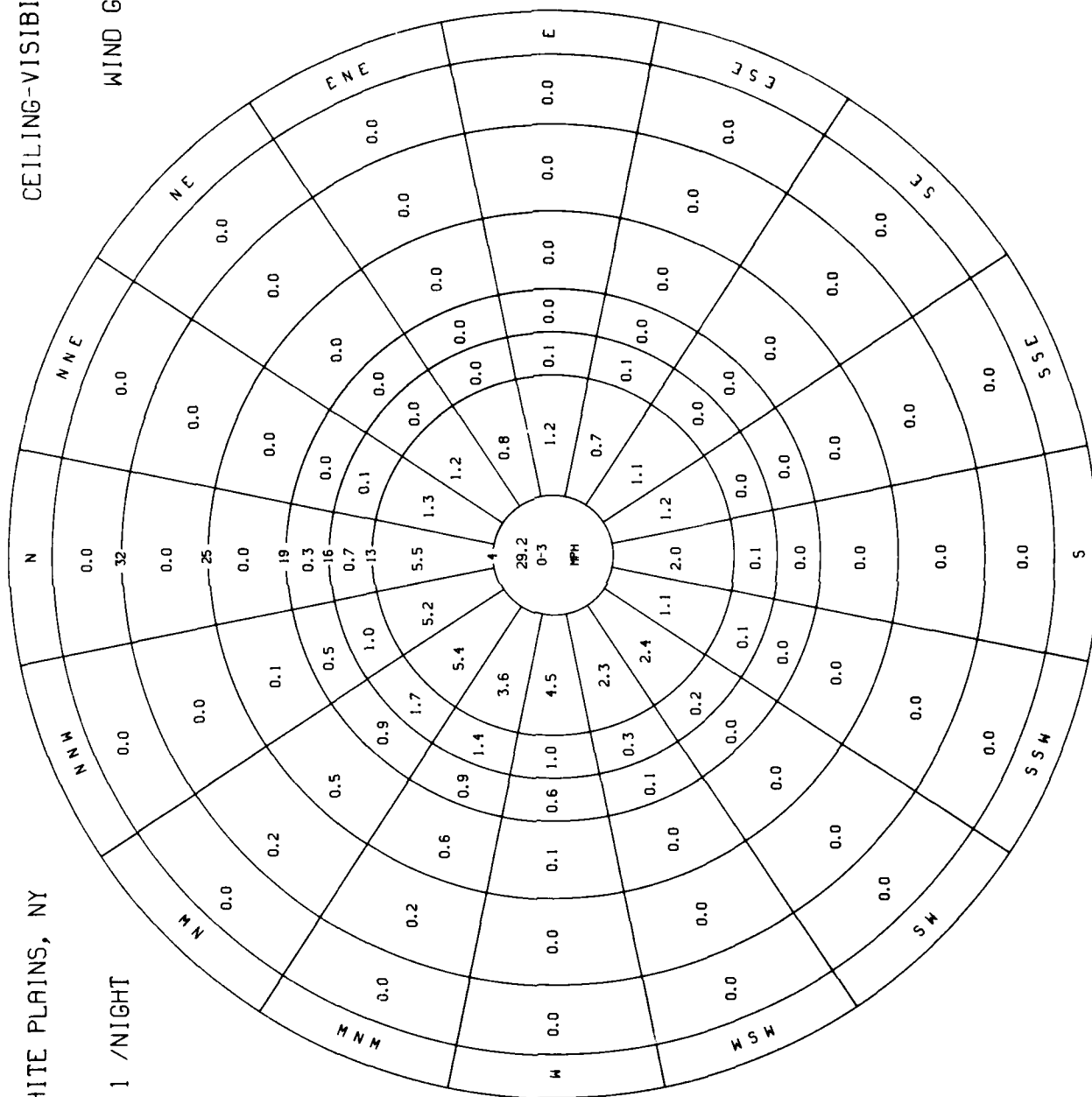
STATION NUMBER: 94745

NO. OBS.: 21157

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.8	1.0	4.0	4.9	.9	1.1	.4	.5	.1	.1	.0	.0	.0	.0	.0	6.2	7.6	9.1
NNE	.4	.5	1.1	1.4	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.7	2.1	7.4
NE	.5	.6	1.3	1.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.4	6.8
ENE	.2	.3	.8	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	7.5
E	.5	.6	1.6	1.9	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	2.3	2.8	7.2
ESE	.3	.4	1.2	1.5	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.7	2.1	7.7
SE	.8	.9	2.7	3.3	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	3.7	4.5	6.7
SSE	.5	.6	2.9	3.5	.4	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	3.7	4.6	8.1
S	.8	1.0	4.5	5.5	.7	.9	.1	.2	.0	.0	.0	.0	.0	.0	.0	6.2	7.7	8.2
SSW	.2	.3	1.9	2.3	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	2.6	3.2	9.0
SW	.6	.7	3.1	3.8	.7	.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	4.6	5.8	8.9
WSW	.3	.4	2.3	2.9	.7	.9	.2	.3	.2	.2	.0	.0	.0	.0	.0	2.8	4.7	10.4
W	.9	1.1	5.0	6.2	1.5	1.8	.7	.9	.3	.3	.1	.1	.0	.0	.0	8.4	10.5	10.1
WNW	.4	.5	4.7	5.8	2.4	2.9	1.1	1.3	.7	.9	.3	.3	.0	.0	.0	9.6	11.8	12.2
NW	.9	1.1	6.4	8.0	2.8	3.4	1.1	1.3	.7	.8	.1	.1	.0	.0	.0	11.9	14.8	11.1
NNW	.5	.6	4.1	5.1	1.3	1.6	.6	.8	.2	.3	.1	.1	.0	.0	.0	6.9	8.5	10.6
CALM	4.5	5.6														4.5	5.6	
TOTAL	12.9	16.0	47.5	58.9	12.4	15.4	4.9	6.1	2.3	2.8						80.7	100	9.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HPN WHITE PLAINS, NY

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 94745

NO. OBS.: 16554

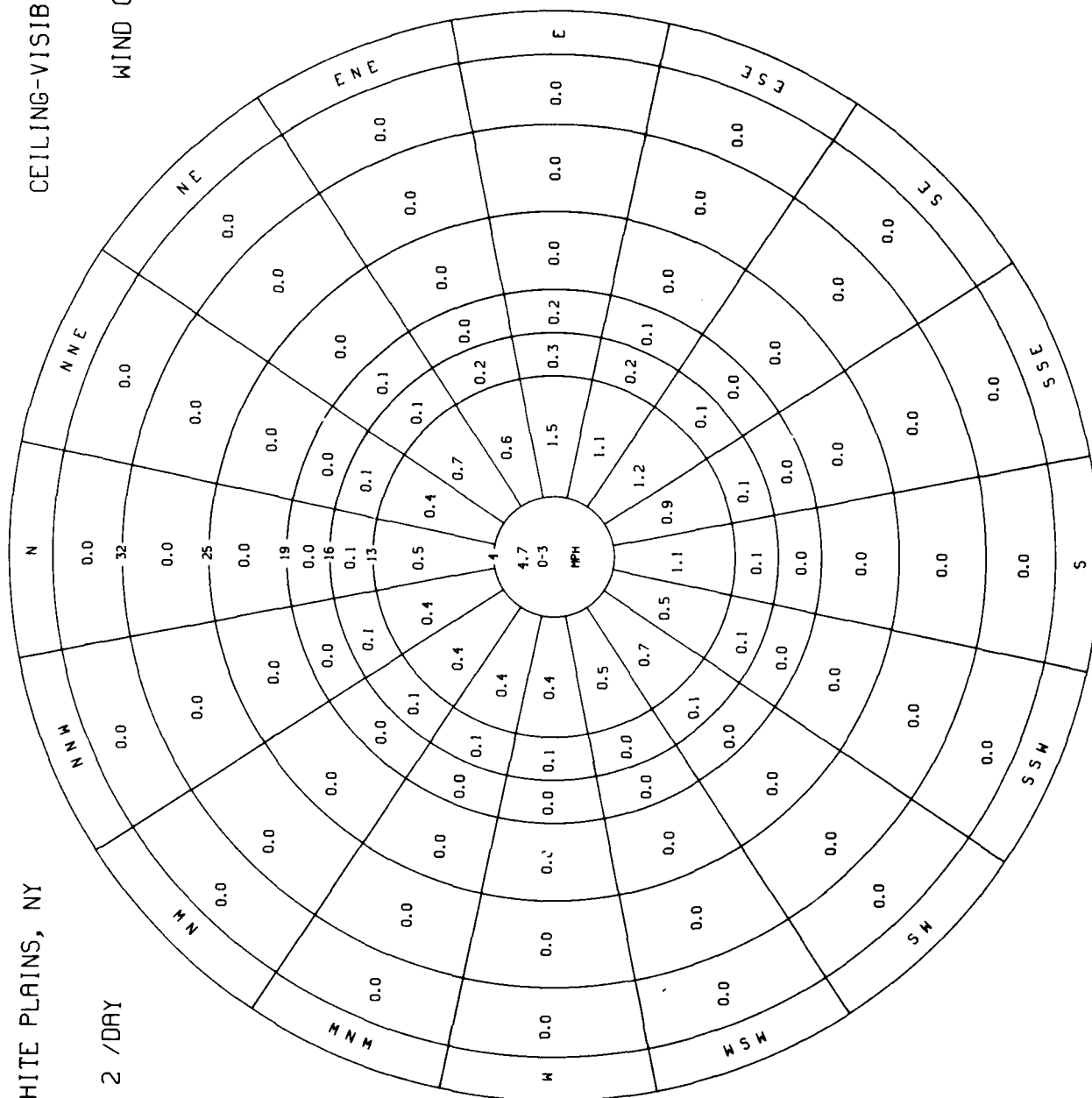
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	2.3	2.8	5.5	6.8	.7	.9	.3	.4	.0	.0	.0	.0	.0	.0	.0	8.9	10.9	7.1
NNE	.7	.9	1.3	1.6	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.7	6.3
NE	.8	1.0	1.2	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.5	5.4
ENE	.4	.5	.8	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.5	6.0
E	.8	1.0	1.2	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.6	5.6
ESE	.3	.4	.7	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	6.4
SE	.7	.9	1.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.2	5.3
SSE	.5	.6	1.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.1	5.6
S	.9	1.1	2.0	2.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.7	6.0
SSW	.5	.6	1.1	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.1	6.4
SW	.9	1.1	2.4	2.9	.2	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	3.6	4.4	6.8
WSW	.4	.5	2.3	2.8	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	.0	3.2	4.0	8.4
W	1.2	1.5	4.5	5.5	1.0	1.2	.6	.7	.1	.1	.0	.0	.0	.0	.0	7.4	9.1	8.9
WNW	.7	.9	3.6	4.5	1.4	1.8	.9	1.1	.6	.7	.2	.3	.0	.0	.0	7.5	9.3	11.6
NW	1.5	1.8	5.4	6.7	1.7	2.1	.9	1.1	.5	.6	.2	.3	.0	.0	.0	10.2	12.5	10.1
NNW	1.6	1.9	5.2	6.4	1.0	1.3	.5	.6	.1	.2	.0	.1	.0	.0	.0	8.5	10.4	8.4
CALM	15.1	18.6														15.1	18.6	
TOTAL	29.2	36.0	39.4	48.5	7.0	8.6	3.5	4.3	1.4	1.8	.6	.7	.1	.1	.1	81.2	100	6.7

HPN WHITE PLAINS, NY

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HPN WHITE PLAINS, NY

PERIOD: 1949-1978

CLASS 2 / DAY

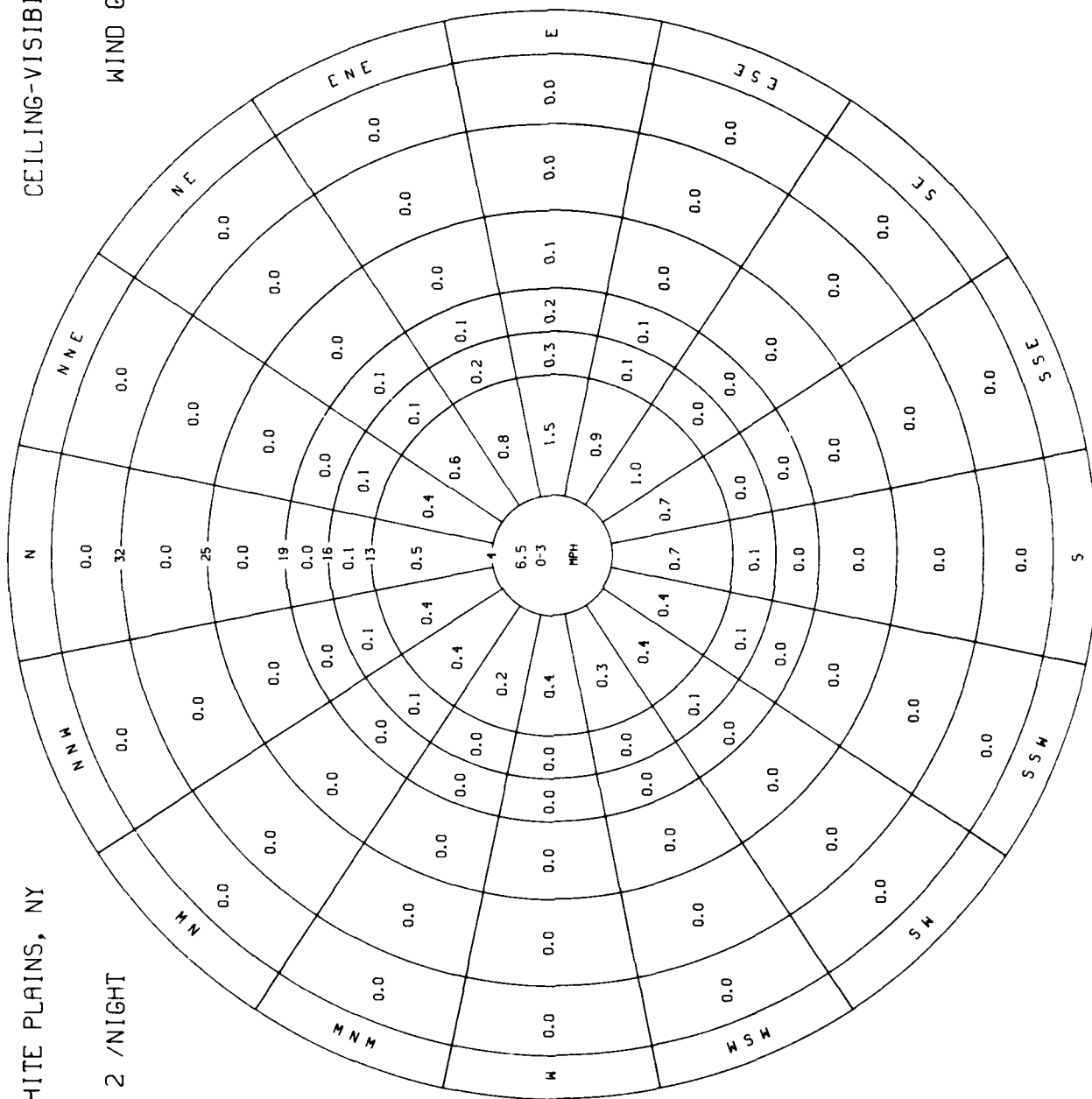
STATION NUMBER: 94745

NO. OBS.: 5062

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.6	.5	2.7	.1	.6	.0	.2	.0	.1	.0	.1	.0	.0	.8	4.4	9.4
NNE	.1	.5	.4	1.8	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.6	2.9	8.9
NE	.2	.9	.7	3.6	.1	.6	.1	.3	.0	.1	.0	.1	.0	.0	1.1	5.6	8.8
ENE	.1	.5	.6	3.4	.2	.9	.0	.3	.0	.1	.0	.0	.0	.0	1.0	5.3	9.5
E	.4	2.0	1.5	7.6	.3	1.7	.2	.9	.0	.2	.0	.1	.0	.0	2.4	12.6	9.1
ESE	.2	1.1	1.1	5.8	.2	1.0	.1	.4	.0	.1	.0	.0	.0	.0	1.6	8.5	8.7
SE	.4	2.2	1.2	6.4	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	1.8	9.4	7.0
SSE	.2	1.3	.9	4.8	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	1.3	7.0	7.7
S	.3	1.6	1.1	5.8	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	1.6	8.4	7.5
SSW	.1	.7	.5	2.6	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.8	3.9	8.1
SW	.2	1.1	.7	3.9	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	1.1	5.8	7.7
WSW	.1	.4	.5	2.6	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.6	3.3	8.1
W	.2	.8	.4	2.3	.1	.3	.0	.1	.0	.1	.0	.1	.0	.0	.7	3.6	7.7
WNW	.1	.4	.4	1.8	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.6	2.9	8.8
NW	.1	.6	.4	2.0	.1	.4	.0	.1	.0	.1	.0	.1	.0	.0	.6	3.3	8.4
NNW	.1	.4	.4	2.3	.1	.8	.0	.1	.0	.1	.0	.1	.0	.0	.7	3.8	9.7
CALM	1.8	9.4													1.8	9.4	
TOTAL	4.7	24.6	11.4	59.3	2.0	10.5	.7	3.5	.3	1.4	.1	.6	.0	.1	19.3	100	7.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HPN WHITE PLAINS, NY

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 94745

NO. OBS.: 3829

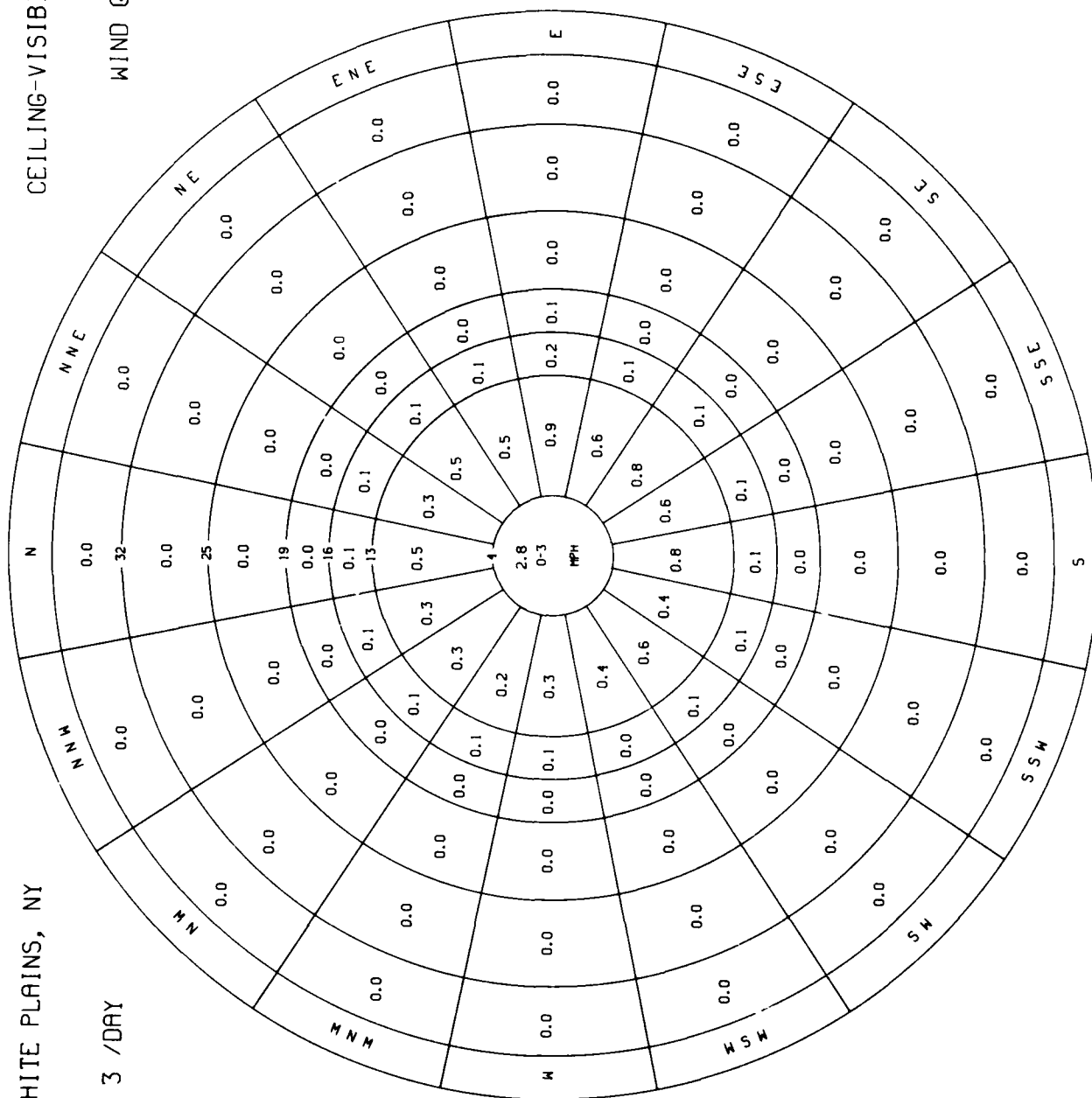
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	1.0	.5	2.6	.1	.7	.0	.2	.0	.2	.0	.1	.0	.0	.9 4.7
NNE	.2	1.0	.4	2.0	.1	.3	.0	.2	.0	.2	.0	.1	.0	.0	.7 3.7
NE	.3	1.3	.6	3.1	.1	.4	.1	.3	.0	.0	.0	.0	.0	.0	1.0 5.2
ENE	.2	1.0	.8	4.1	.2	.9	.1	.3	.0	.2	.0	.1	.0	.0	1.2 6.6
E	.5	2.8	1.5	8.0	.3	1.6	.2	.9	.1	.4	.0	.1	.0	.0	2.6 14.0
ESE	.3	1.4	.9	4.6	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	1.4 7.2
SE	.4	2.0	1.0	5.4	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	1.5 7.8
SSE	.3	1.4	.7	4.0	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	1.1 5.8
S	.3	1.5	.7	3.8	.1	.6	.0	.3	.0	.0	.0	.0	.0	.0	1.2 6.2
SSW	.1	.8	.4	2.0	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.7 3.5
SW	.2	.9	.4	2.3	.1	.3	.0	.2	.0	.0	.0	.0	.0	.0	.7 3.8
WSW	.1	.4	.3	1.8	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.5 2.4
W	.2	.8	.4	2.1	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.6 3.3
WNW	.1	.6	.2	1.2	.0	.2	.0	.1	.0	.1	.0	.1	.0	.0	.4 2.2
NW	.2	1.1	.4	1.9	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.7 3.5
NNW	.2	.9	.4	2.3	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	.8 4.2
CALM	3.0	15.9													3.0 15.9
TOTAL	6.5	34.7	9.6	51.3	1.5	8.0	.7	3.9	.3	1.5	.1	.5	.0	.1	18.8 100

HPN WHITE PLAINS, NY

CLASS 3 / DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HPN WHITE PLAINS, NY

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 94745

NO. OBS.: 3458

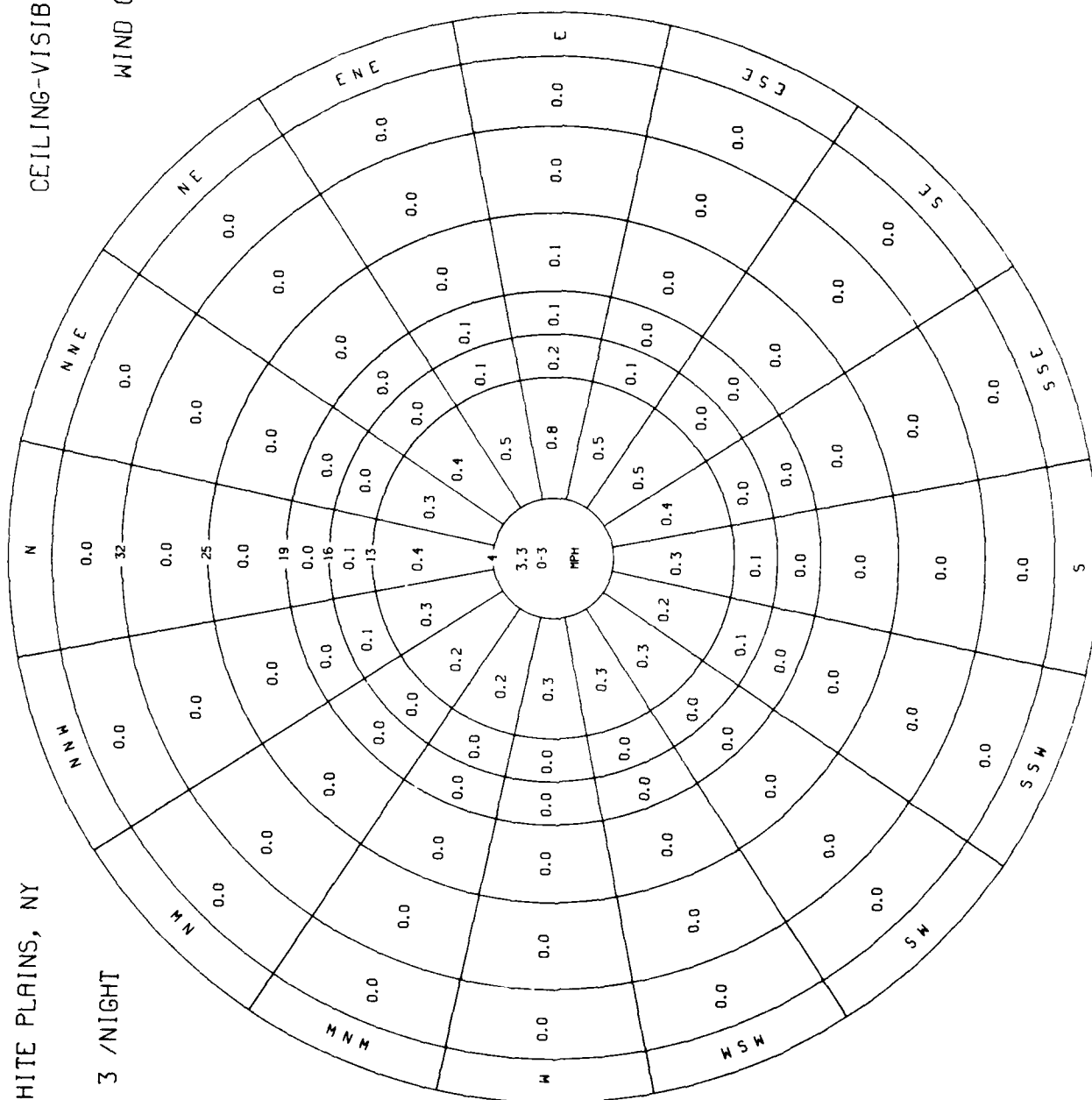
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.7	.5	3.5	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.7 5.2
NNE	.1	.5	.3	2.3	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.6
NE	.1	1.0	.5	4.0	.1	.5	.0	.4	.0	.1	.0	.0	.0	.0	.8 6.1
ENE	.1	.5	.5	3.5	.1	1.0	.0	.3	.0	.1	.0	.0	.0	.0	.7 5.5
E	.2	1.6	.9	6.7	.2	1.8	.1	1.0	.0	.2	.0	.1	.0	.0	1.5 11.3
ESE	.1	1.0	.6	4.7	.1	.8	.0	.4	.0	.1	.0	.0	.0	.0	.9 6.9
SE	.2	1.6	.8	5.8	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	1.1 8.4
SSE	.2	1.2	.6	4.7	.1	.8	.0	.2	.0	.1	.0	.0	.0	.0	.9 6.9
S	.2	1.4	.8	5.9	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	1.1 8.4
SSW	.1	.6	.4	2.9	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.5 4.2
SW	.2	1.2	.6	4.5	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.9 6.7
WSW	.0	.3	.4	3.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5 4.0
W	.1	.8	.3	2.6	.1	.4	.0	.1	.0	.1	.0	.1	.0	.0	.5 4.1
WNW	.1	.6	.2	1.9	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.4 3.2
NW	.1	.8	.3	2.5	.1	.5	.0	.1	.0	.1	.0	.1	.0	.0	.5 4.0
NNW	.1	.5	.3	2.6	.1	1.0	.0	.1	.0	.1	.0	.1	.0	.0	.6 4.5
CALM	1.0	7.3													1.0 7.3
TOTAL	2.8	21.4	8.1	61.1	1.5	11.6	.5	3.8	.2	1.6	.1	.4	.0	.1	13.2 100

HPN WHITE PLAINS, NY

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HPN WHITE PLAINS, NY

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 94745

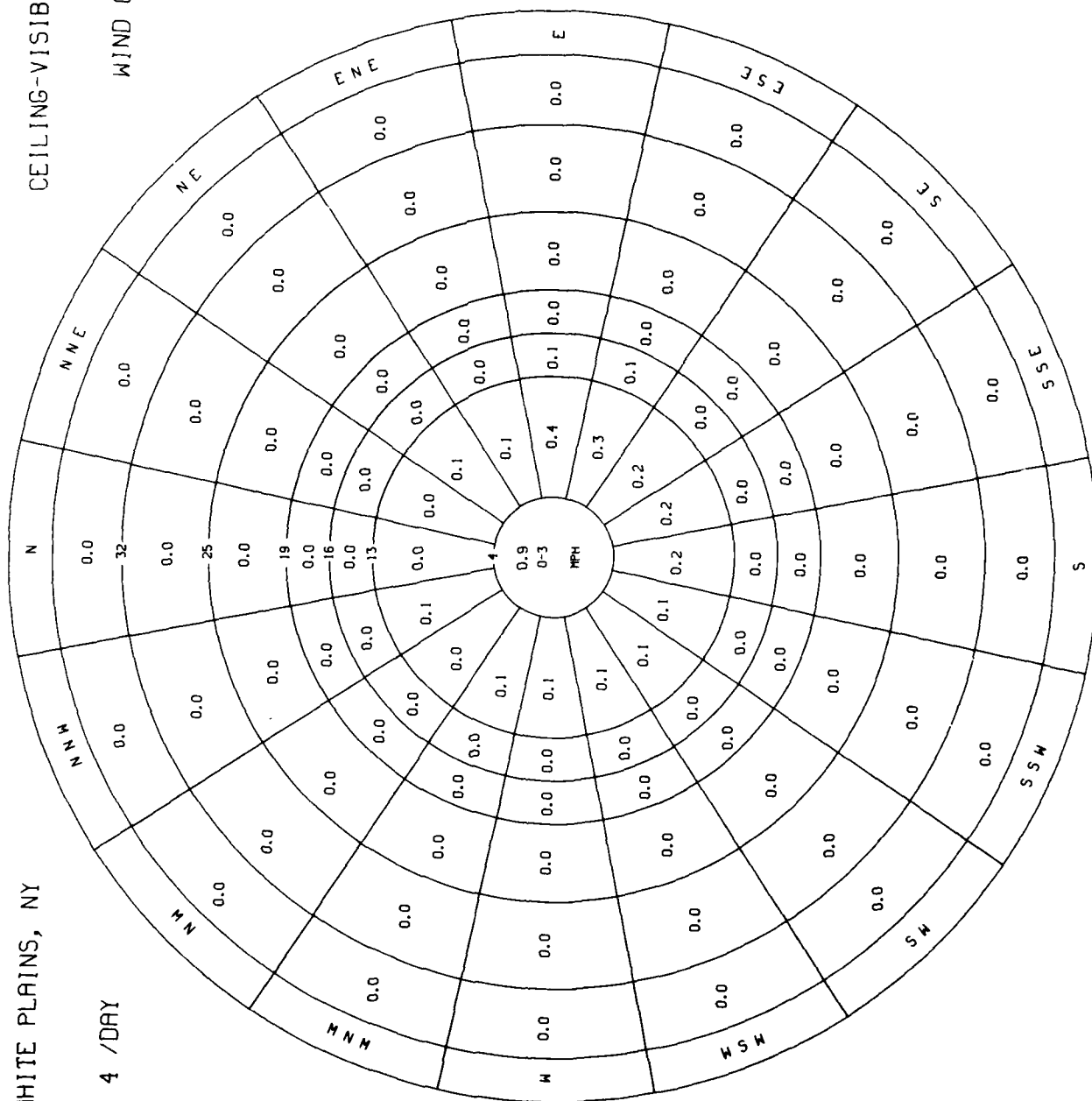
NO. OBS.: 2226

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.1	1.0	.4	3.4	.1	1.1	.0	.2	.0	.2	.0	.1	.0	.0	.7	6.0	9.2
NNE	.1	.9	.3	2.8	.0	.4	.0	.2	.0	.2	.0	.1	.0	.0	.5	4.7	9.4
NE	.2	1.5	.4	3.8	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.7	6.1	7.6
ENE	.1	1.0	.5	4.4	.1	1.0	.1	.6	.0	.3	.0	.1	.0	.0	.8	7.4	9.8
E	.3	2.5	.8	7.1	.2	2.1	.1	1.0	.1	.6	.0	.1	.0	.0	1.5	13.5	9.5
ESE	.1	.9	.5	4.2	.1	1.0	.0	.4	.0	.1	.0	.0	.0	.0	.7	6.5	8.3
SE	.2	1.8	.5	4.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.7	6.4
SSE	.1	1.1	.4	3.6	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.6	5.2	7.2
S	.1	1.0	.3	2.8	.1	.6	.0	.4	.0	.0	.0	.0	.0	.0	.5	4.9	8.2
SSW	.1	.5	.2	1.7	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.3	3.0	8.7
SW	.1	.9	.3	2.7	.0	.4	.0	.3	.0	.0	.0	.0	.0	.0	.5	4.2	7.7
WSW	.0	.3	.3	2.4	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.3	3.1	8.5
W	.1	.9	.3	2.3	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.4	3.7	7.1
WNW	.1	.6	.2	1.4	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.3	2.6	8.6
NW	.1	1.1	.2	2.2	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.4	3.9	7.5
NNW	.1	.7	.3	3.2	.1	1.0	.0	.2	.0	.1	.0	.0	.0	.0	.6	5.3	8.9
CALM	1.5	13.3													1.5	13.3	
TOTAL	3.3	30.1	5.7	52.4	1.1	10.2	.5	4.7	.2	1.9	.1	.6	.0	.0	10.9	100	7.3

HPN WHITE PLAINS, NY

CLASS 4 /DAY

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HPN WHITE PLAINS, NY

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 94745

NO. OBS.: 905

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.3	.0	1.4	.0	.3	.0	.4	.0	.2	.0	.4	.0	.0	.1	3.2	12.5
NNE	.0	.6	.0	1.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	2.2	7.0
NE	.0	.9	.1	3.4	.0	.8	.0	.1	.0	.0	.0	.1	.0	.0	.2	5.3	8.6
ENE	.0	.4	.1	3.4	.0	.9	.0	.2	.0	.2	.0	.1	.0	.0	.2	5.3	9.6
E	.1	1.9	.4	10.3	.1	2.0	.0	1.2	.0	.2	.0	.1	.0	.0	.5	15.7	9.2
ESE	.0	1.3	.3	8.1	.1	2.1	.0	.4	.0	.2	.0	.0	.0	.0	.4	12.2	9.2
SE	.1	2.1	.2	6.7	.0	.7	.0	.1	.0	.1	.0	.0	.0	.0	.3	9.7	7.3
SSE	.0	1.2	.2	5.4	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.3	7.4	7.5
S	.1	1.8	.2	5.7	.0	.8	.0	.3	.0	.0	.0	.0	.0	.0	.3	8.6	7.3
SSW	.0	1.1	.1	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.9	6.2
SW	.0	1.2	.1	3.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.6	6.8
WSW	.0	.7	.1	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	6.4
W	.0	.9	.1	1.7	.0	.1	.0	.0	.0	.1	.0	.1	.0	.0	.1	2.9	7.3
WNW	.0	.2	.1	2.4	.0	.6	.0	.1	.0	.0	.0	.1	.0	.0	.1	3.4	9.1
NW	.0	.3	.0	1.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	2.0	7.9
NNW	.0	.1	.1	1.8	.0	.2	.0	.1	.0	.0	.0	.1	.0	.0	.1	2.3	8.6
CALM	.3	9.9													.3	9.9	
TOTAL	.9	25.0	2.0	59.2	.3	10.1	.1	3.4	.0	1.2	.0	1.1	.0	.0	3.5	100	7.5

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: HPN WHITE PLAINS, NY

CLASS 4 / NIGHT

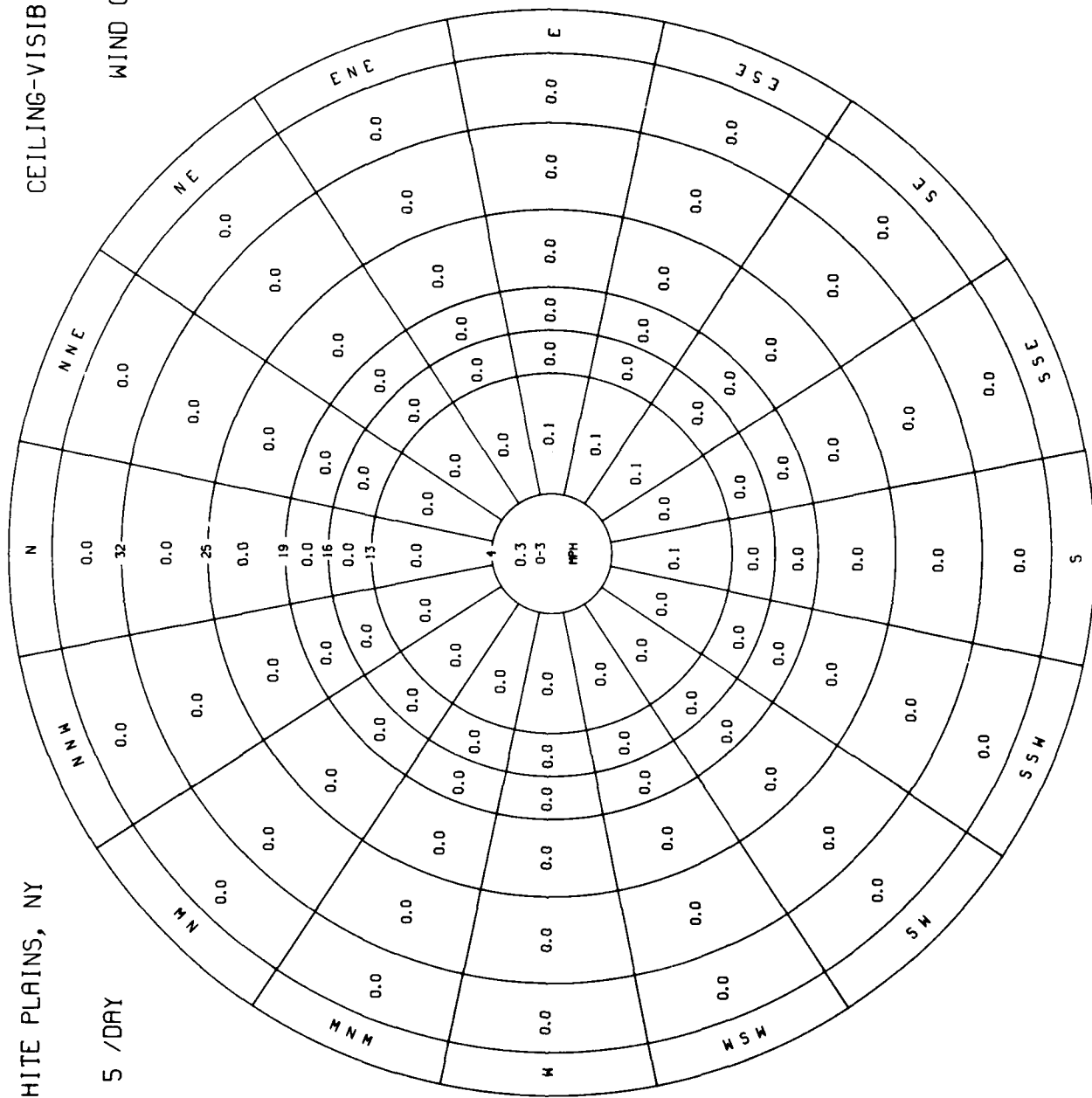
NO. OBS.: 860

STATION NUMBER: 94745

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
															C		D
	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	.9	.1	2.0	.0	.1	.0	.5	.0	.1	.0	.0	.0	.0	.2	3.6	7.9
NNE	.0	.9	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	4.5
NE	.1	1.4	.1	3.3	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.2	5.7	7.5
ENE	.0	1.0	.2	4.5	.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	6.9	8.8
E	.1	2.9	.4	10.3	.1	1.3	.0	1.2	.0	.3	.0	.2	.0	.0	.7	16.3	8.7
ESE	.1	1.5	.2	4.4	.0	.5	.0	.8	.0	.0	.0	.0	.0	.0	.3	7.2	8.1
SE	.1	2.1	.2	5.1	.0	.1	.0	.5	.0	.1	.0	.0	.0	.0	.3	7.9	6.8
SSE	.1	1.5	.2	4.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	5.8	6.4
S	.1	1.4	.2	5.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	7.6	7.9
SSW	.0	1.2	.1	3.0	.0	.3	.0	.1	.0	.5	.0	.0	.0	.0	.2	5.1	8.1
SW	.1	1.4	.1	1.4	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.1	3.4	6.6
WSW	.0	.3	.0	1.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.7	8.2
W	.0	.8	.1	2.1	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1	3.4	7.3
WNW	.0	.5	.0	1.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.1	1.7	7.5
NW	.0	.8	.1	1.7	.0	.6	.0	.0	.0	.2	.0	.0	.0	.0	.1	3.4	8.6
NNW	.1	1.3	.1	1.4	.0	.5	.0	.0	.0	.2	.0	.0	.0	.0	.1	3.4	7.2
CALM	.6	14.7													.6	14.7	
TOTAL	1.5	34.7	2.2	52.0	.3	7.4	.2	4.0	.1	1.6	.0	.3	.0	.0	4.2	100	6.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HPN WHITE PLAINS, NY

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 94745

NO. OBS.: 270

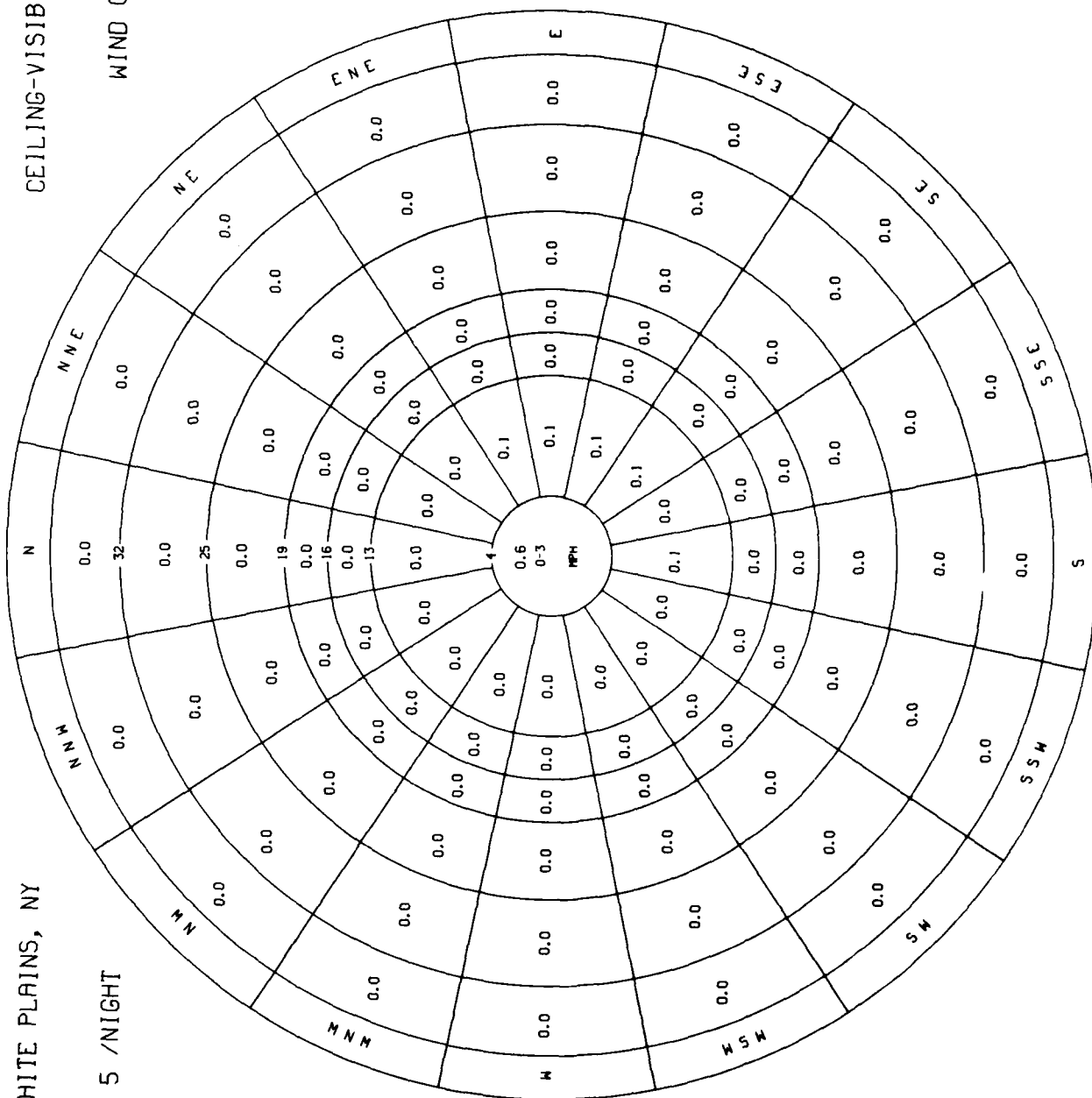
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.4	.0	.7	.0	.7	.0	.0	.0	.4	.0	.0	.0	.0	.0	2.2	12.2
NNE	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
NE	.0	.7	.0	3.7	.0	.4	.0	1.1	.0	.4	.0	.0	.0	.0	.1	6.3	10.1
ENE	.0	.4	.0	2.2	.0	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	4.1	9.5
E	.1	7.0	.1	11.1	.0	2.6	.0	.4	.0	.0	.0	1.1	.0	.0	.2	22.2	7.9
ESE	.0	1.1	.1	7.8	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.1	10.0	9.1
SE	.0	3.3	.1	10.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	13.7	6.4
SSE	.0	1.9	.0	3.7	.0	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.1	7.0	7.6
S	.0	1.1	.1	7.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.3	7.7
SSW	.0	.4	.0	1.5	.0	.7	.0	.0	.0	.4	.0	.0	.0	.0	.0	3.0	10.6
SW	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.8
WSW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	7.0
W	.0	1.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	3.9
WNW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.3
NW	.0	.7	.0	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	1.9	8.4
NNW	.0	.0	.0	1.5	.0	.7	.0	.0	.0	.0	.0	.4	.0	.0	.0	2.6	13.0
CALM	.1	11.5													.1	11.5	
TOTAL	.3	31.1	.5	53.3	.1	9.6	.0	3.3	.0	1.1	.0	1.5	.0	.0	1.0	100	7.2

HPN WHITE PLAINS, NY

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: HPN WHITE PLAINS, NY

CLASS 5 / NIGHT

NO. OBS.: 268

STATION NUMBER: 94745

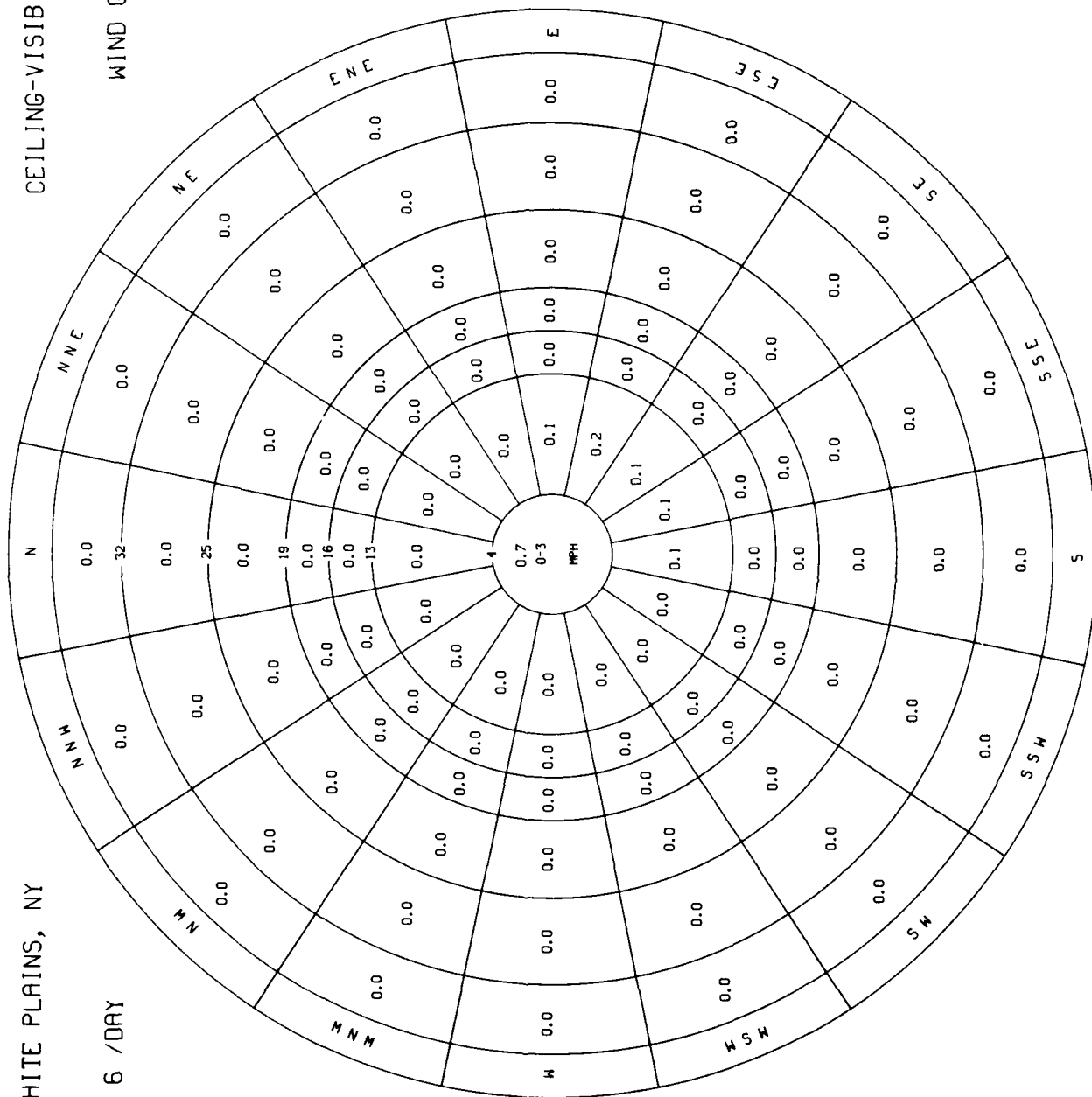
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.9	.0	1.5	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0 3.7
NNE	.0	1.5	.0	.7	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0 3.0
NE	.0	.4	.0	1.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0 2.2
ENE	.0	1.1	.1	5.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.7
E	.0	3.4	.1	10.1	.0	1.5	.0	1.1	.0	.0	.0	.0	.0	.0	.2 16.0
ESE	.0	3.7	.1	7.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1 11.2
SE	.0	1.9	.1	6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.8
SSE	.0	1.1	.0	3.4	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	.1 5.2
S	.0	2.6	.1	5.6	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1 8.6
SSW	.0	1.1	.0	1.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.0
SW	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
WSW	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
W	.0	.4	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0 2.2
WNW	.0	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
NW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.0
NNW	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0 2.6
CALM	.3	19.0													.3 19.0
TOTAL	.6	43.7	.6	48.9	.0	3.4	.0	2.6	.0	.4	.0	1.1	.0	.0	1.3 100
															5.4

CEILING-VISIBILITY

WIND GRAPH

HPN WHITE PLAINS, NY

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HPN WHITE PLAINS, NY

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 94745

NO. OBS.: 429

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	1.4	8.2
NNE	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.0
NE	.0	.9	.0	.7	.0	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	2.6	10.4
ENE	.0	.9	.0	2.6	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.2	7.8
E	.0	2.6	.1	7.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	10.0	6.5
ESE	.0	2.3	.2	9.3	.0	.7	.0	.5	.0	.0	.0	.0	.0	.0	.2	12.8	7.5
SE	.1	5.8	.1	8.4	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.2	14.7	5.5
SSE	.0	1.9	.1	4.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.8	6.0
S	.0	3.0	.1	4.4	.0	.2	.0	.0	.0	.0	.2	.0	.0	.0	.1	7.9	5.6
SSW	.0	.9	.0	2.6	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.4	7.6
SW	.0	.5	.0	2.8	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	3.7	7.1
WSW	.0	.7	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.6
W	.0	.7	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.7
WNW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.9	9.7
NW	.0	.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	5.0
NNW	.0	.5	.0	.7	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	1.6	8.0
CALM	.4	23.3													.4	23.3	
TOTAL	.7	45.5	.8	48.3	.1	3.3	.0	1.6	.0	.7	.0	.5	.0	.2	1.6	100	5.1

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HPN WHITE PLAINS, NY

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 94745

NO. OBS.: 475

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.0	1.5	13.4
NNE	.0	.8	.0	.2	.0	.0	.0	.2	.0	.4	.0	.0	.0	.0	.0	1.7	9.5
NE	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.2
ENE	.0	.4	.0	1.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.9
E	.1	3.6	.2	7.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.4	6.0
ESE	.1	2.3	.1	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	8.2	5.6
SE	.1	3.2	.2	9.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.3	12.8	5.7
SSE	.1	2.7	.1	6.1	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	9.1	6.1
S	.1	3.4	.1	5.3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	8.8	5.7
SSW	.0	1.1	.0	1.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.4	6.5
SW	.0	.4	.1	2.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.4	6.2
WSW	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.0
W	.0	.6	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.9
WNW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.2
NW	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.5
NNW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.8
CALM	.7	28.2													.7	28.2	
TOTAL	1.2	50.7	1.1	46.1	.0	1.5	.0	.6	.0	.4	.0	.4	.0	.2	2.3	100	4.3

CEILING-VISIBILITY

WIND GRAPH

HPN WHITE PLAINS, NY

CLASS 7

